

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

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GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

10/01/2011

Jaclyn Sexton  
Assistant District Attorney, Norfolk County

Dear ADA Sexton,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in cursive script, likely belonging to Annie Dookhan.

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631

## **Curriculum Vitae**

**Annie Khan (Dookhan)**

### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### **Association:**

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Daniel Renczkowski

### Education

Degree: Bachelors of Science in Forensic Chemistry,  
May 2005 from Buffalo State College  
GPA: 3.84, Dean's List, Honor's Recognition  
American Chemical Society Undergraduate Award  
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

### Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

### Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

*The Commonwealth of Massachusetts**Executive Office of Health and Human Services**Department of Public Health**State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours


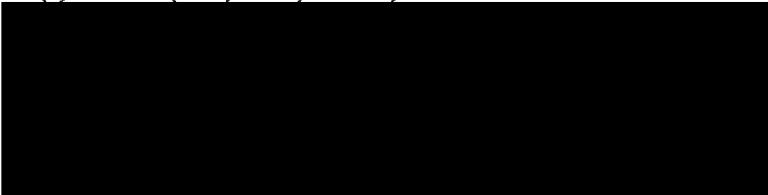
8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**City or Department: QuincyPolice Reference No.: Name and Rank of Submitting Officer: Det. W. WardDefendant(s) Name (last, first, initial):  
*To be completed by Submitter*

Description of Items Submitted


*To be completed by Lab Personnel*

Gross Weight

Lab Number

2 blue Tablets

3.38 gm

Received by: Date: 12-16-10

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department: Quincy Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DET. O'Brien

Defendant(s) Name (last, first, initial):

[REDACTED]

*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

(2) ORANGE PILLS	3.14 gm	[REDACTED]
(1) GREEN PILL	2.13 gm	
(1) P/B GREEN LEAFY SUBSTANCE	2.94 gm	

Received by: [Signature] Date: 12-16-10

No. [REDACTED]

Date Analyzed:

City: Quincy Police Dept.

3-15-11

Officer: Detective WILLIAM WARD

Def: [REDACTED]

Amount: 2.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 12/16/2010

No. Analyzed:

Gross Wt.: 3.38

Net Weight: 0.19

# Tests: 2AS  
.4DJR

Prelim: Oxycodone  
B

Findings:

Oxycodone

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]  
Amount: 2.0  
No. Cont: 1 Cont: pb  
Date Rec'd: 12/16/2010  
Gross Wt.: 3.14

Date Analyzed: 3-15-11  
Subst: TAB  
No. Analyzed:  
Net Weight: 0.77  
# Tests: 1 ASD  
.2 DJR

Prelim: Buprenorphine Findings: Buprenorphine  
B

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]  
Amount: 1.0  
No. Cont: 1 Cont: pb  
Date Rec'd: 12/16/2010  
Gross Wt.: 2.13

Date Analyzed: 3-15-11  
Subst: TAB  
No. Analyzed:  
Net Weight:  
# Tests: 1 ASD  
.2 DJR

Prelim: clonazepam Findings: Clonazepam  
C

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]  
Amount:  
No. Cont: 1 Cont: pb  
Date Rec'd: 12/16/2010  
Gross Wt.: 2.94

Date Analyzed: 03-09-11  
Subst: VM  
No. Analyzed:  
Net Weight:  
# Tests: 3 ASD  
mud@ mud@  
Dug@  
Mangwana

Prelim:

Findings:

# DRUG POWDER ANALYSIS FORM

SAMPLE #                      AGENCY Quincy ANALYST ASG

No. of samples tested:            Evidence Wt.           

## PHYSICAL DESCRIPTION:

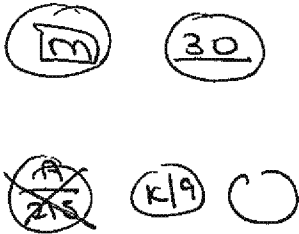
2 blue round tablet  
in pps

Gross Wt ( ):           

Gross Wt ( ):           

Pkg. Wt:           

Net Wt: 0.1906



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )           

Marquis           

Froehde's           

Mecke's           

### Microcrystalline Tests

Gold  
Chloride           

TLTA ( )           

### OTHER TESTS

Microscopic AIP

## PRELIMINARY TEST RESULTS

RESULTS oxycodone

DATE 3-9-11

## GC/MS CONFIRMATORY TEST

RESULTS oxycodone

MS  
OPERATOR DJR

DATE 3-15-11



## Drug Information

**DRUG NAME:** OXYCODONE HYDROCHLORIDE

**INGREDIENTS:** OXYCODONE HYDROCHLORIDE -- 30 MG

**Color:** Light Blue

**Shape:** Circle

**Imprint:** M The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , M30 The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , 30 , M 30

**Form:** Oral Tablet

**Available-Container-Size:** Bottle of 100

**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

**NDC:** 0406-8530-01

**Excipients:** Cellulose, Microcrystalline ; Sodium Starch Glycolate ; Starch, Corn ; Lactose ; Stearic Acid ; FD&C Blue No. 2

**Regulatory Status:** Schedule II

**Availability:** United States

**Product ID** 6594281

**Contact:** Covidien Mallinckrodt

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## Drug Information

**DRUG NAME:** OXYCODONE HYDROCHLORIDE

**INGREDIENTS:** OXYCODONE HYDROCHLORIDE -- 30 MG

**Color:** Blue

**Shape:** Circle

**Imprint:** K 9 The tablet is debossed with K on left and 9 on right of the bisect on one side and plain on the other side.  
K9 The tablet is debossed with K on left and 9 on right of the bisect on one side and plain on the other side.

**Form:** Oral Tablet

**Available-Container-Size:** Bottle of 100

**AAPCC Code:** 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

**NDC:** 10702-009-01

**UPC:** 10702-00901

**Excipients:** Sodium Starch Glycolate ; Stearic Acid ; FD&C Blue No. 2 Aluminum Lake ; Starch, Corn ; Lactose (Monohydrate) ; Cellulose, Microcrystalline ; Silicon Dioxide

**Regulatory Status:** Schedule II

**Availability:** United States

**Product ID** 6998053

**Contact:** KVK-Tech

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# DRUG POWDER ANALYSIS FORM

SAMPLE #                      AGENCY Quincy ANALYST AS9

No. of samples tested:            Evidence Wt.           

## PHYSICAL DESCRIPTION:

2 Orange hexagonal tablet  
M-PB

Gross Wt ( ):                     

Gross Wt ( ):                     

Pkg. Wt:                     

Net Wt: 0.7742



## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate ( )                     

Marquis                     

Froehde's                     

Mecke's                     

### Microcrystalline Tests

Gold Chloride                     

TLTA ( )                     

### OTHER TESTS

Monomelic acid

## PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 3-9-11

## GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS OPERATOR DJR

DATE 3-15-11

## Drug Information

**DRUG NAME:** SUBOXONE TABLET

**INGREDIENTS:** BUPRENORPHINE -- 8 MG  
NALOXONE -- 2 MG

**Color:** orange

**Shape:** Six-sided

**Imprint:** N8 Sword Logo

**Form:** Sublingual Tablet

**Available-Container-Size:** Bottle of 30

**AAPCC Code:** 200625 -  
Buprenorphine

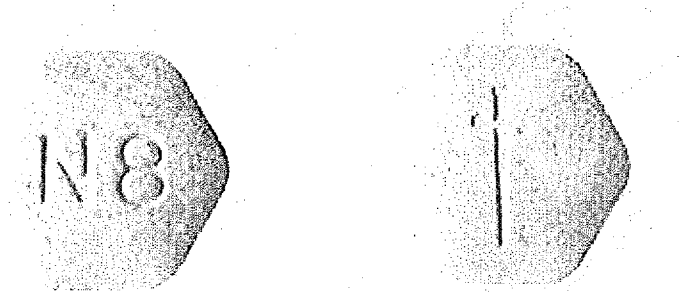
**NDC:** 12496-1306-02

**Regulatory Status:** Schedule III

**Availability:** United States

**Product ID** 6370996

**Contact:** Reckitt Benckiser  
Pharmaceuticals



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# DRUG POWDER ANALYSIS FORM

SAMPLE #                      AGENCY Quincy ANALYST ADJ

No. of samples tested:            Evidence Wt.           

## PHYSICAL DESCRIPTION:

1 green round tablet  
w/ pb

Gross Wt ( ):                     

Gross Wt ( ):                     

Pkg. Wt:                     

Net Wt: 0.1739



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )                     

Marquis                     

Froehde's                     

Mecke's                     

### Microcrystalline Tests

Gold  
Chloride                     

TLTA ( )                     

### OTHER TESTS

Microscopic AP

## PRELIMINARY TEST RESULTS

RESULTS clonazepam

DATE 3-9-11

## GC/MS CONFIRMATORY TEST

RESULTS clonazepam

MS  
OPERATOR DJA

DATE 3-15-11

## Drug Information

**DRUG NAME:** CLONAZEPAM

**INGREDIENTS:** CLONAZEPAM -- 1 MG

**Color:** Mottled Green

**Shape:** Circle

**Imprint:** 93 - 833 This tablet is debossed with 93 - 833 on the unscored side.

**Form:** Oral Tablet

**Available-Container-Size:** Strip of 100 , Bottle of 1000 , Bottle of 500 , Inner Pack , Bottle of 100

**AAPCC Code:** 007000 - Benzodiazepines

**NDC:** 00093-0833-93  
0093-0833-19

**Excipients:** Starch, Corn ; D&C Yellow No. 10 Aluminum Lake ; FD&C Blue No. 1 Aluminum Lake ; Lactose (Monohydrate) ; Magnesium Stearate ; Cellulose, Microcrystalline ; Povidone ; Water, Purified

**Regulatory Status:** Schedule IV

**Availability:** United States

**Product ID** 5575539

**Contact:** Teva Pharmaceuticals

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GC/MS ⊕  
D031111.5

GC/MS ⊕  
D031111.5

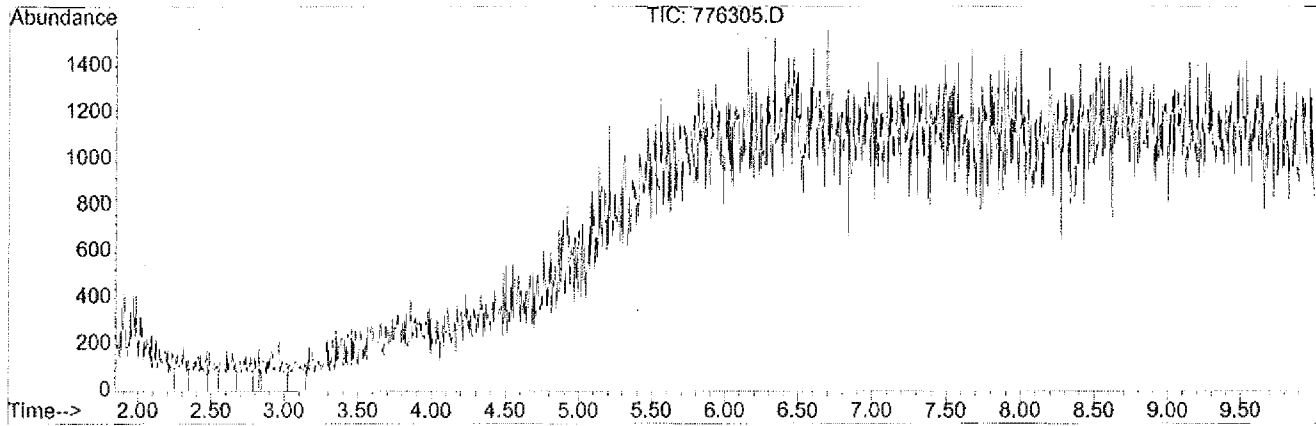
gross wt. pb = 0.8

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776305.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 10:11  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓ DJR  
9-23-11



Ret. Time	Area	Area %	Ratio %
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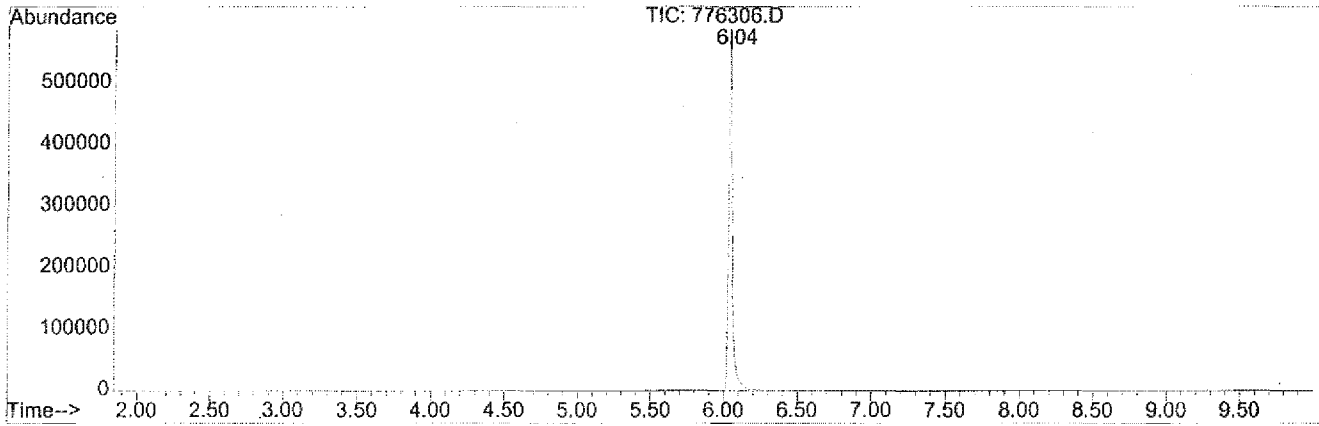
\*\*\*NO INTEGRATED PEAKS\*\*\*



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776306.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 10:25  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 6  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.037	1005273	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

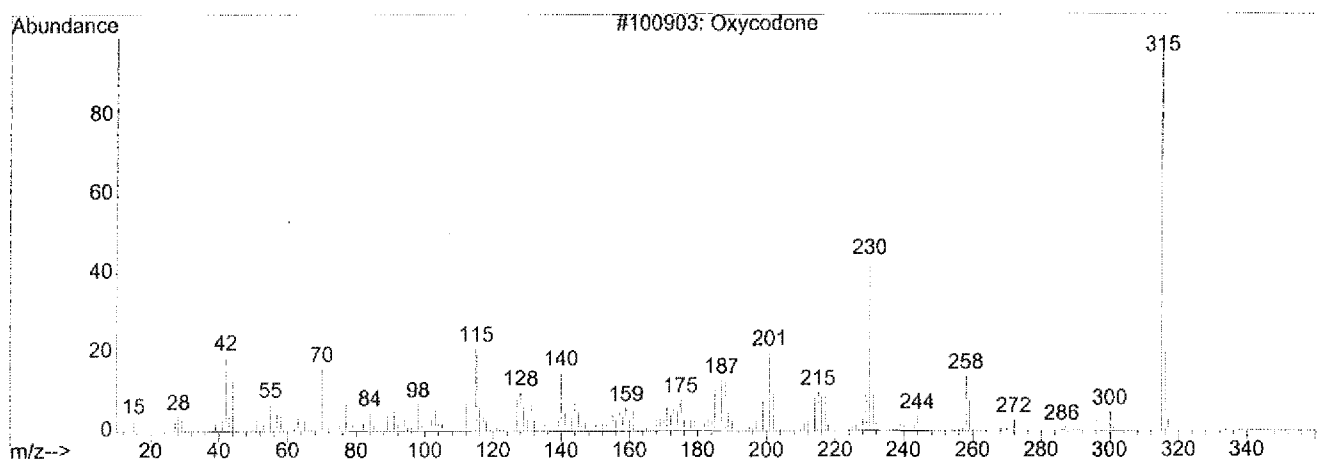
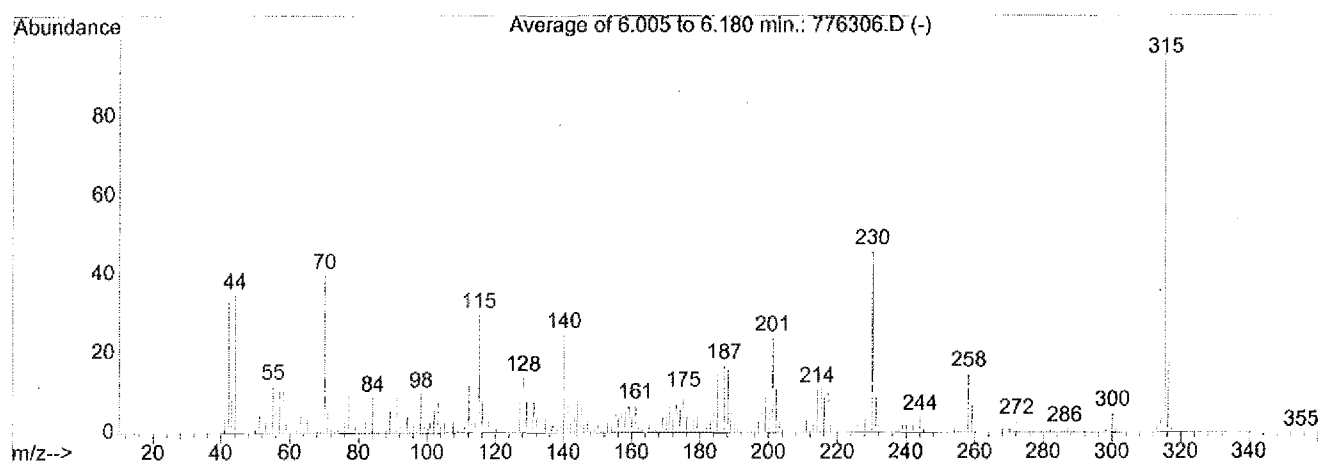
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File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776306.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  10:25
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     : 6
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 95
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

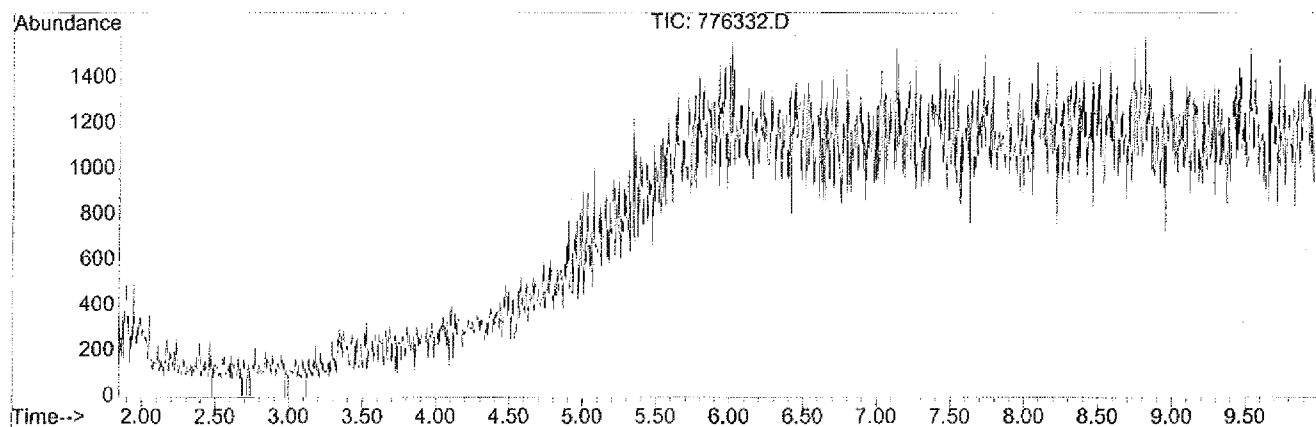
PK#	RT	Library/ID	CAS#	Qual
1	6.04	C:\DATABASE\NIST98.L		
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99
		Oxycodone	000076-42-6	99



# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776332.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 16:22  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE



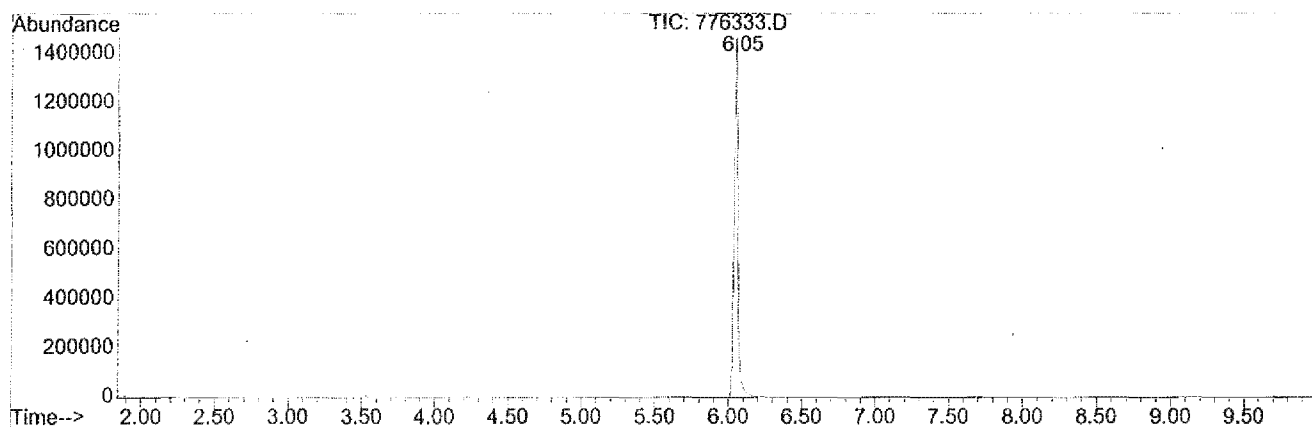
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776333.D  
 Operator : DJR  
 Date Acquired : 11 Mar 2011 16:36  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 33  
 AcquisitionMeth: DRUGS  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.048	2577152	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

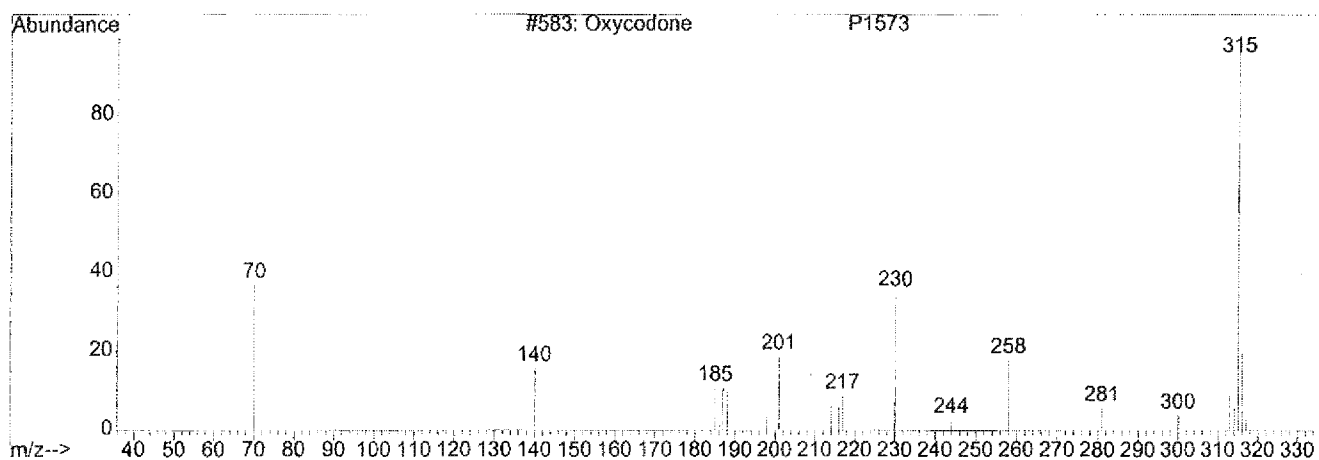
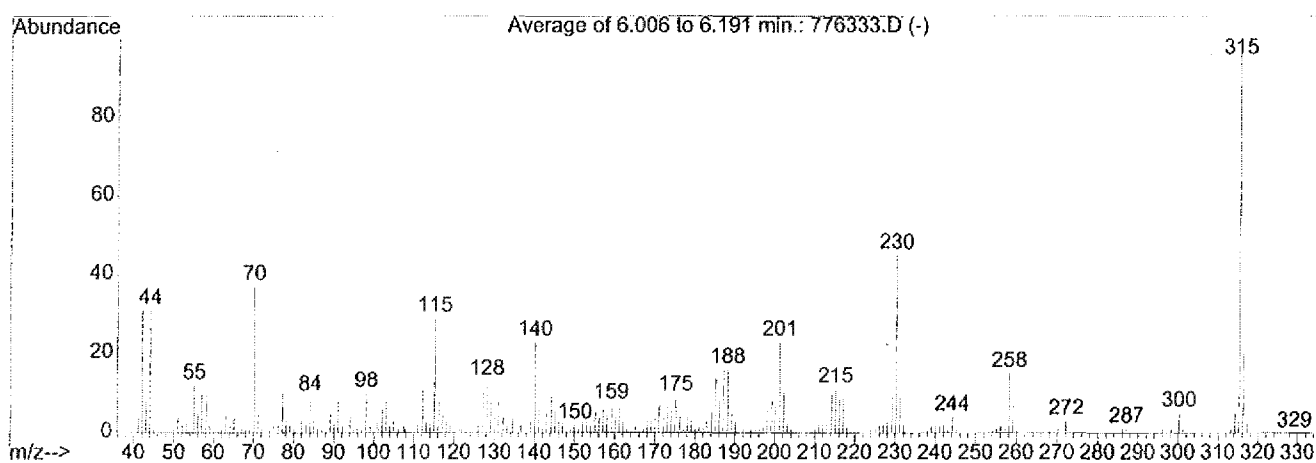
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File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776333.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  16:36
Sample Name     : 
Submitted by    : ASD
Vial Number     : 33
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 95
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.05	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	90
		Endogenous biomolecule AC	000000-00-0	2



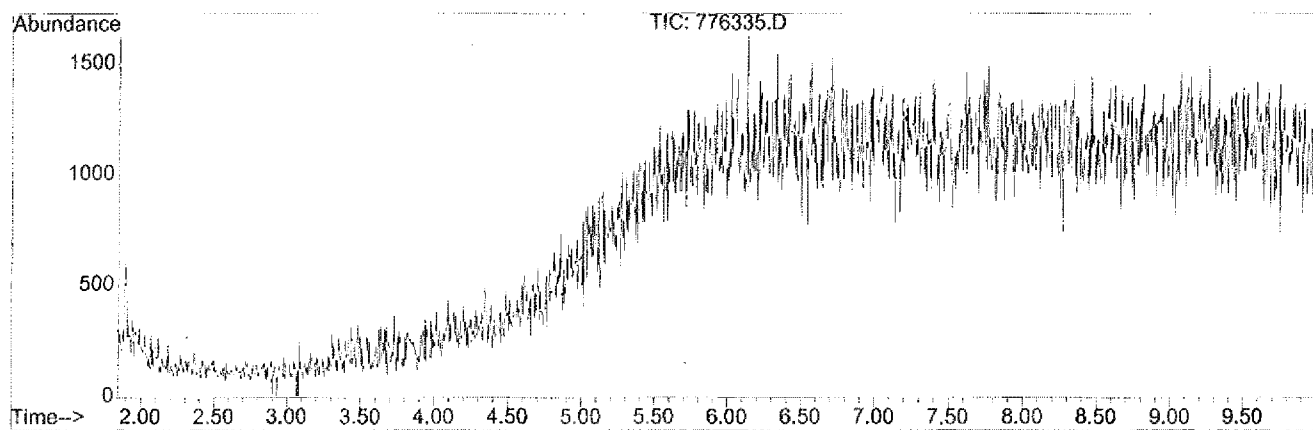
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776335.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 17:04  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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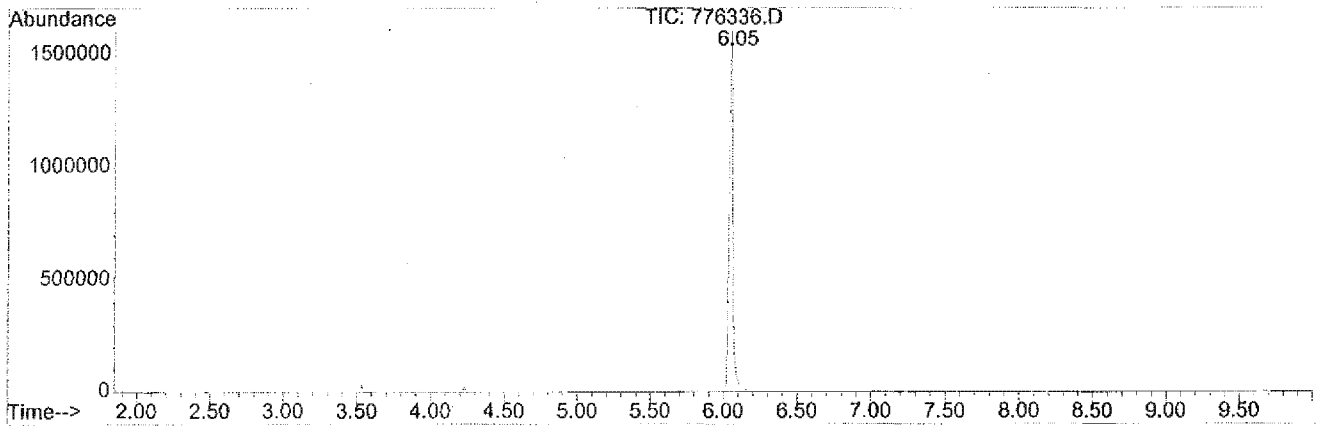
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776336.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 17:18  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 36  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.051	2843505	100.00	100.00

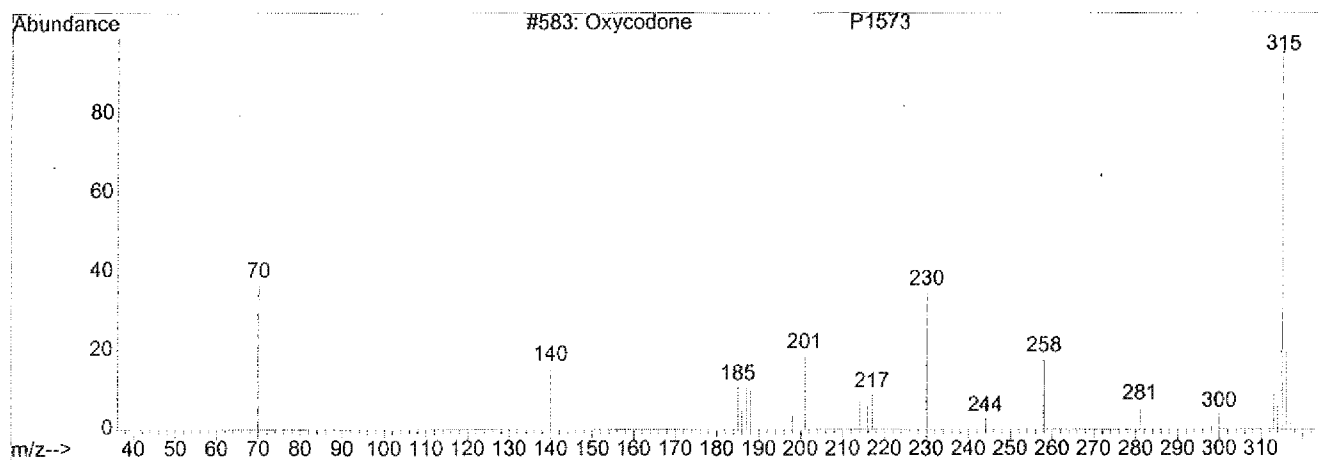
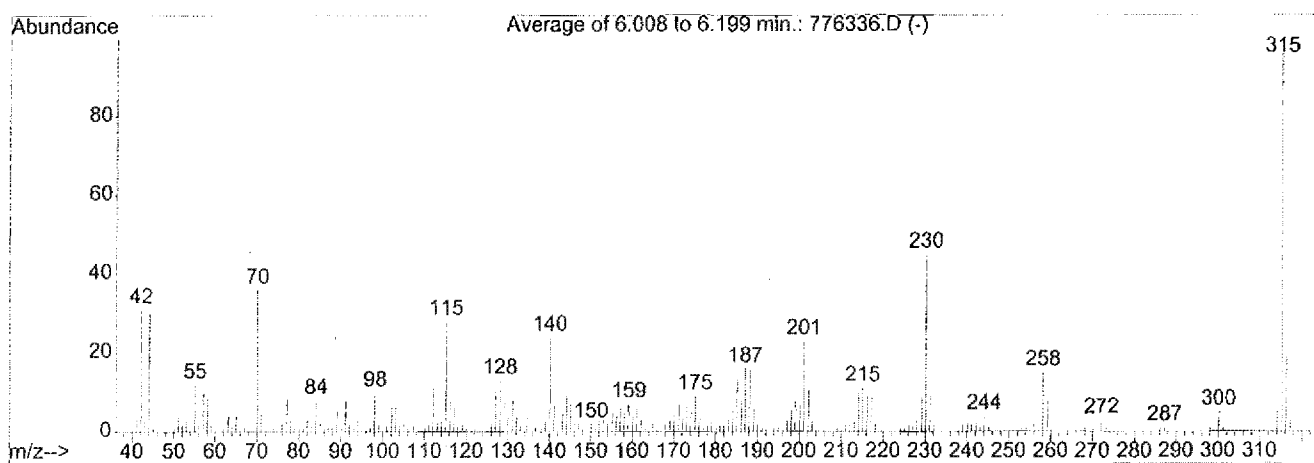
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776336.D  
 Operator : DJR  
 Date Acquired : 11 Mar 2011 17:18  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 36  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	6.05	C:\DATABASE\PMW_TOX2.L		
		Oxycodone	000076-42-6	90
		Endogenous biomolecule AC	000000-00-0	2

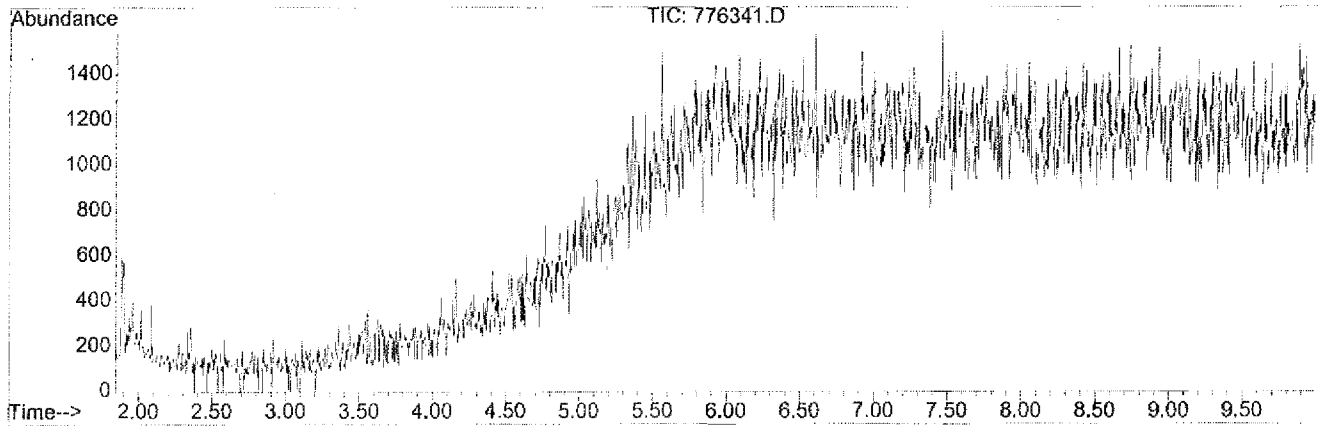




# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776341.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 18:27  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

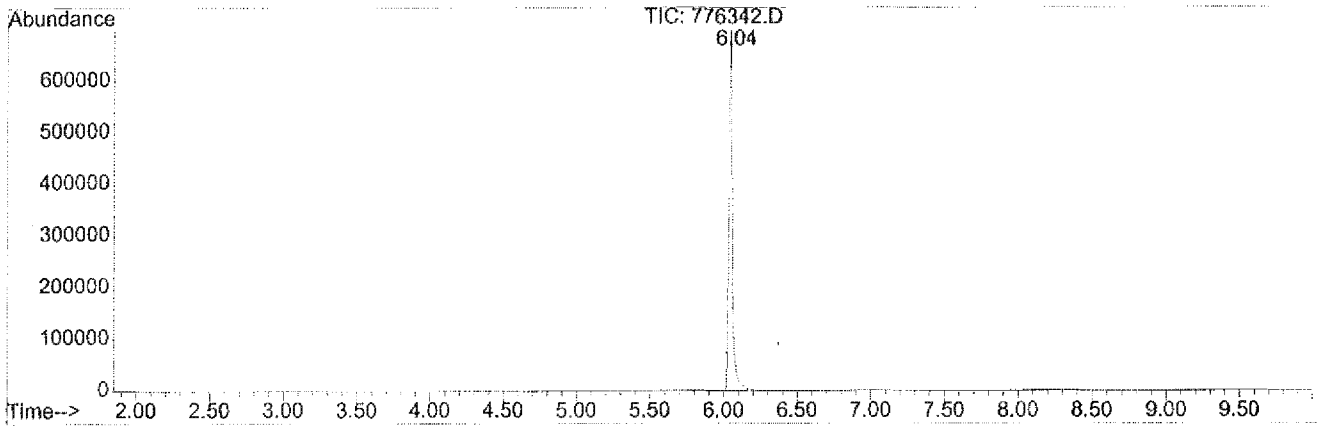
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776342.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 18:41  
Sample Name : OXYCODONE STD  
Submitted by :  
Vial Number : 6  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
6.040	1128805	100.00	100.00

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# Area Percent / Library Search Report

**Information from Data File:**

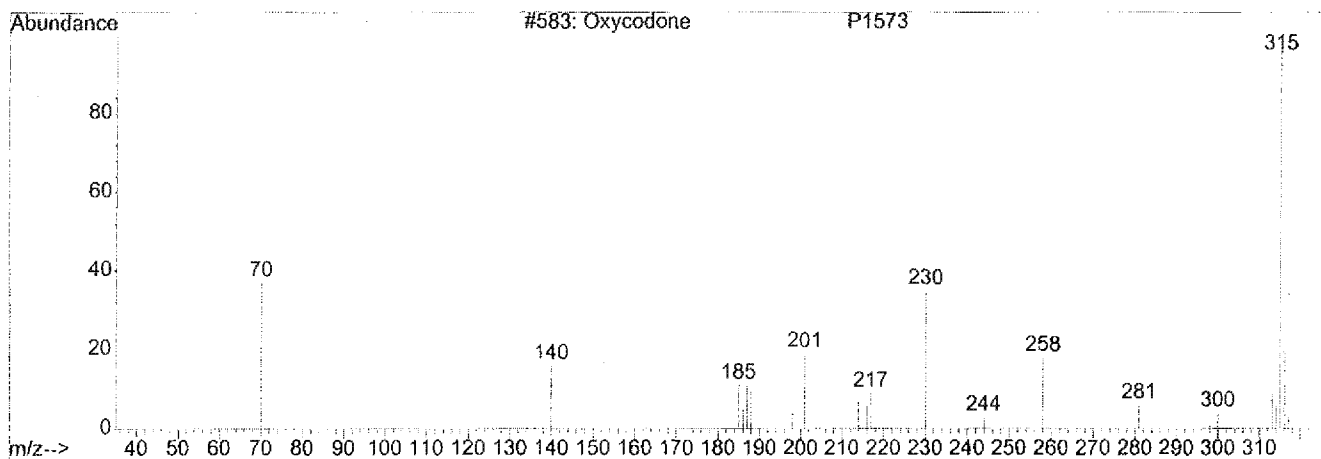
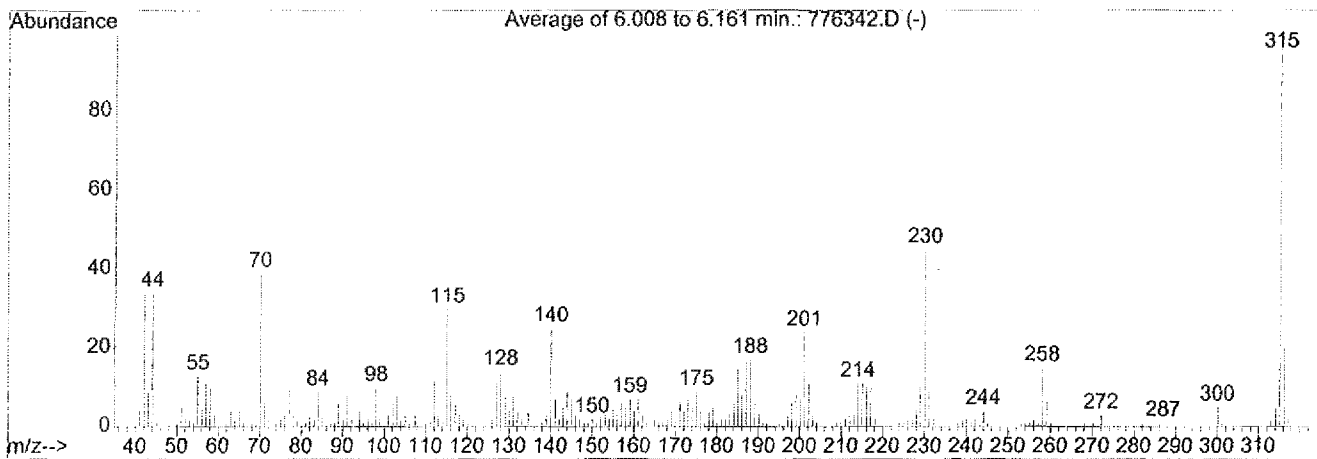
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File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776342.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  18:41
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     : 6
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

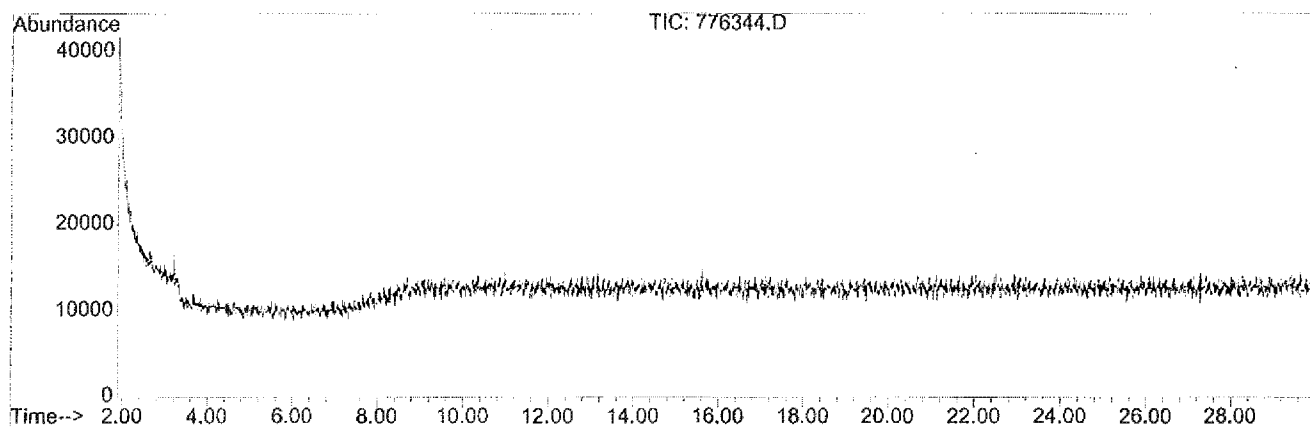
PK#	RT	Library/ID	CAS#	Qual
1	6.04	C:\DATABASE\PMW_TOX2.L Oxycodone	000076-42-6	91



# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776344.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 19:08  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: WSCREEN  
Integrator : RTE



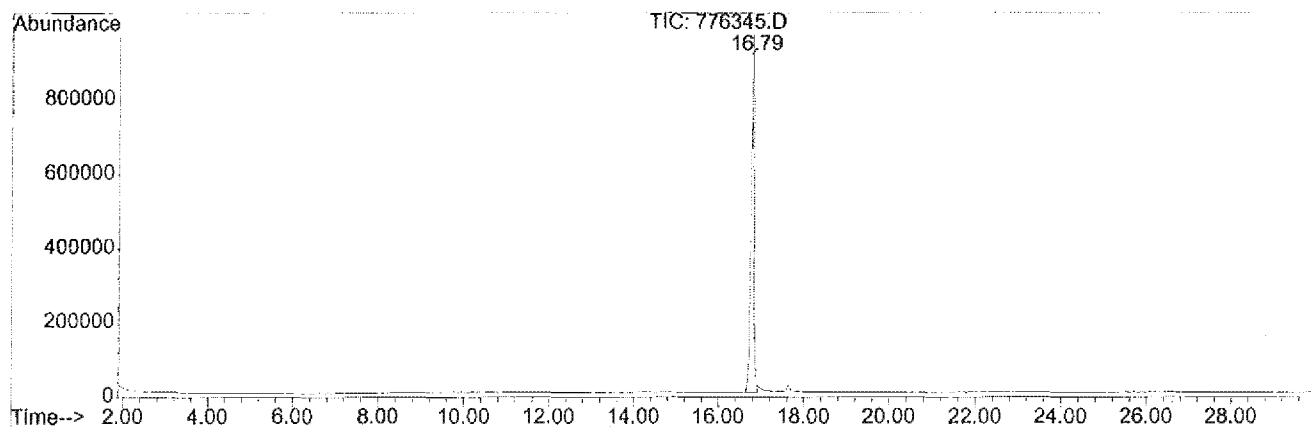
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776345.D  
 Operator : DJR  
 Date Acquired : 11 Mar 2011 19:43  
 Sample Name : BUPRENORPHINE STD  
 Submitted by :  
 Vial Number : 45  
 AcquisitionMeth: WSCREEN  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
16.787	4638669	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

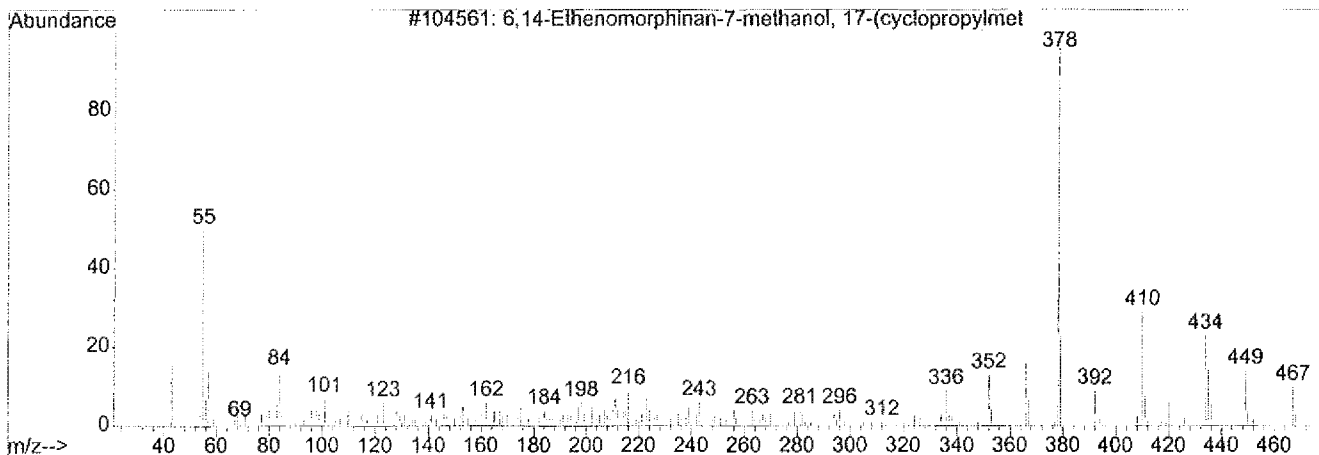
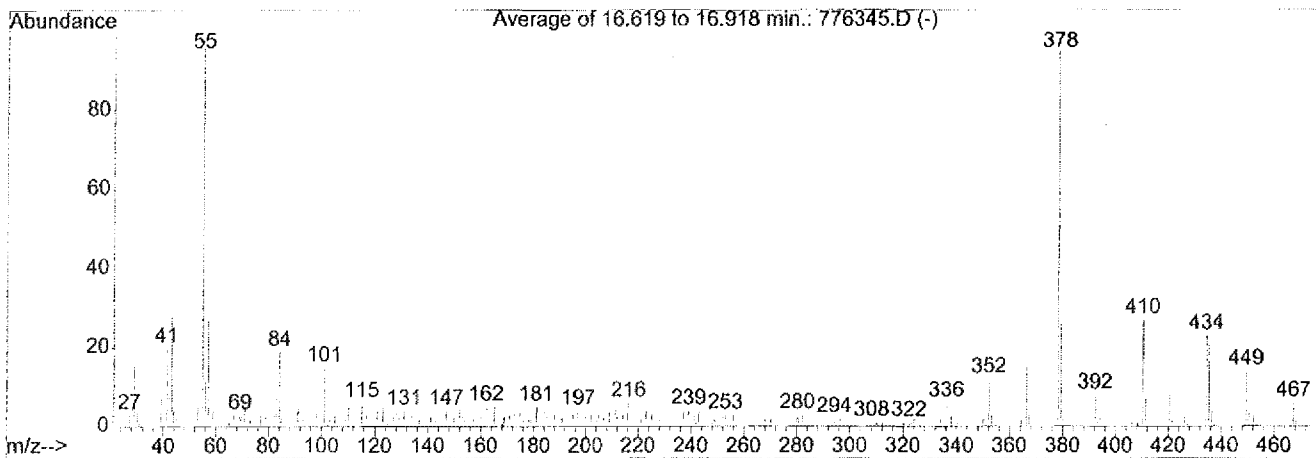
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776345.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  19:43
Sample Name     : BUPRENORPHINE STD
Submitted by    :
Vial Number     : 45
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	16.79	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	90
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	72
		Anthiaergosta-5,7,9,22-tetraene	1000213-42-2	50



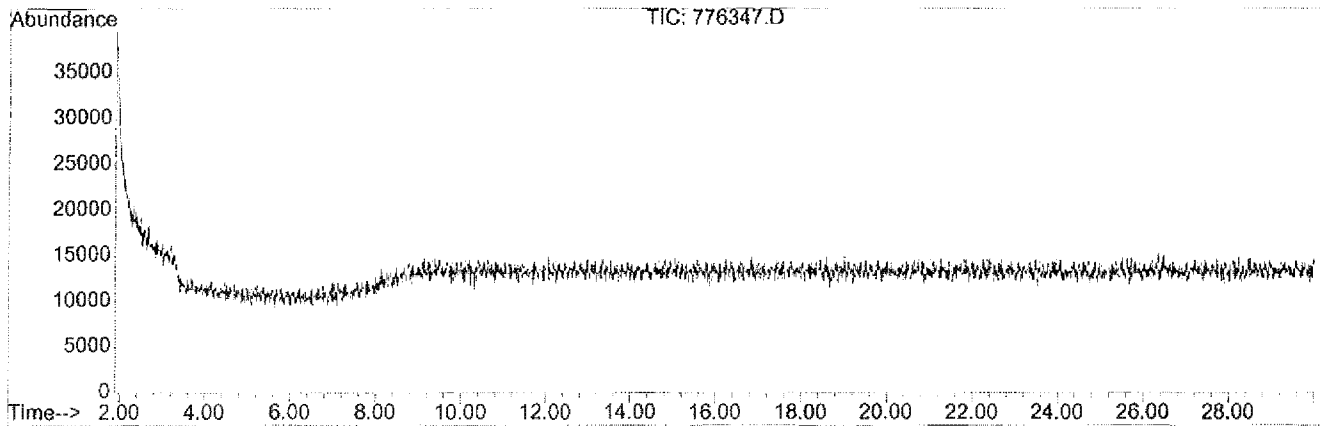
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776347.D  
Operator : DJR  
Date Acquired : 11 Mar 2011 20:51  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: WSCREEN  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
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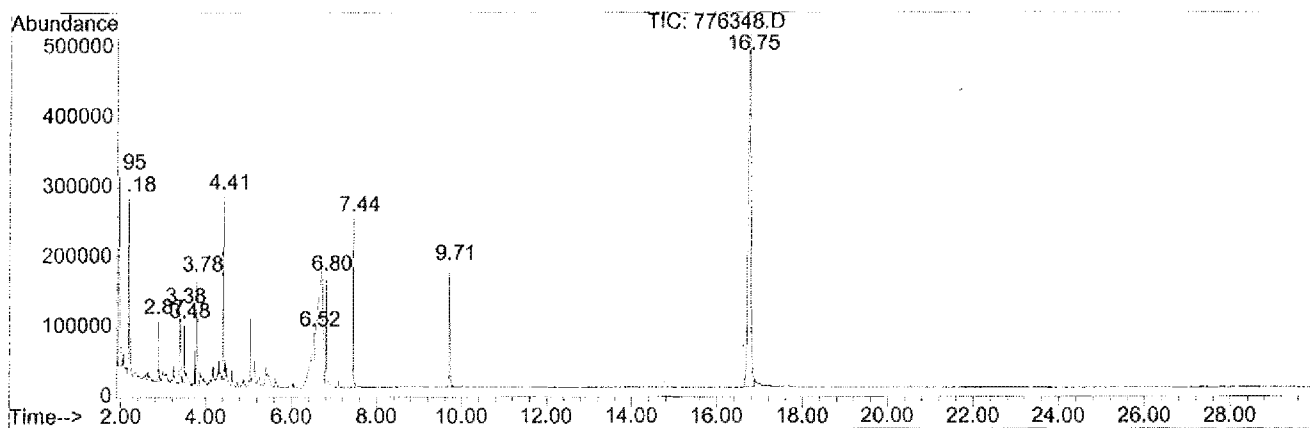
---

\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776348.D  
 Operator : DJR  
 Date Acquired : 11 Mar 2011 21:26  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 48  
 AcquisitionMeth: WSCREEN  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.947	512310	10.41	22.86
2.180	469070	9.53	20.93
2.874	107047	2.18	4.78
3.377	195518	3.97	8.72
3.478	122419	2.49	5.46
3.783	210695	4.28	9.40
4.405	316657	6.44	14.13
6.523	107924	2.19	4.82
6.804	150181	3.05	6.70
7.444	233831	4.75	10.43
9.710	253433	5.15	11.31
16.750	2241074	45.55	100.00



# Area Percent / Library Search Report

**Information from Data File:**

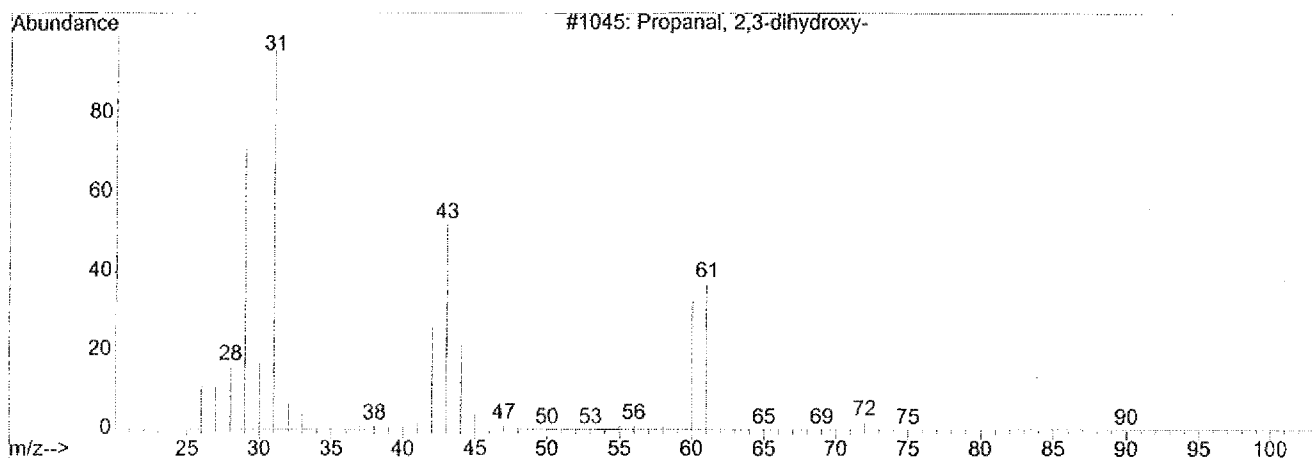
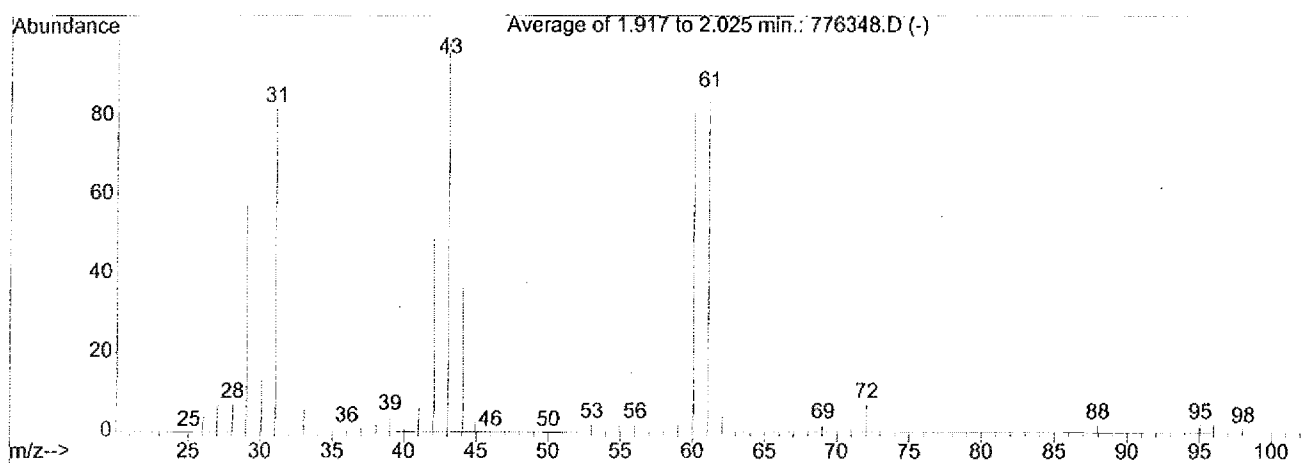
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : 
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	1.95	C:\DATABASE\NIST98.L		
		Propanal, 2,3-dihydroxy-	000367-47-5	83
		Pentane	000109-66-0	9
		Acetic acid, oxo-, methyl ester	000922-68-9	9



# Area Percent / Library Search Report

**Information from Data File:**

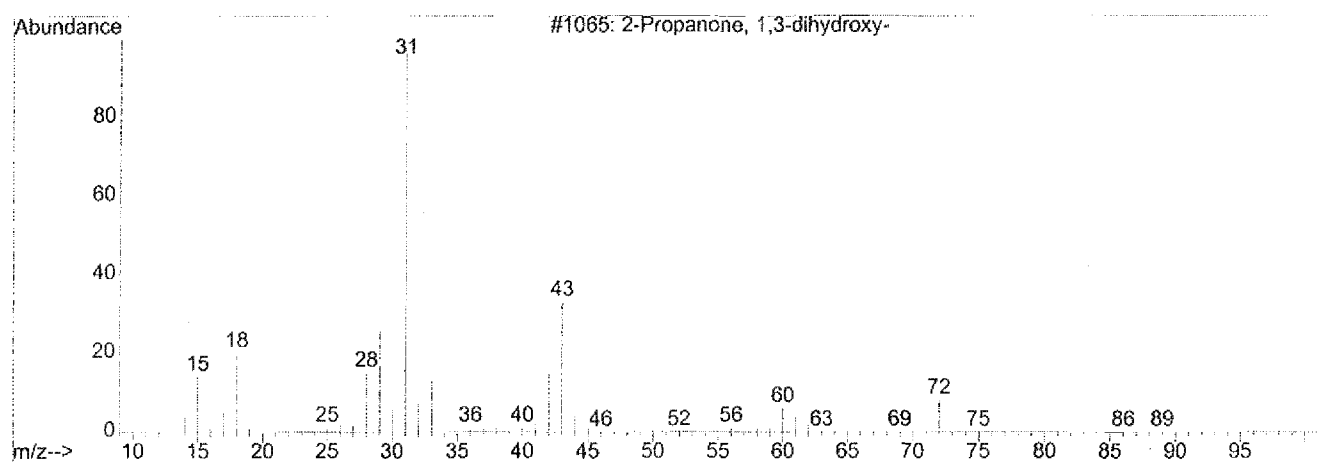
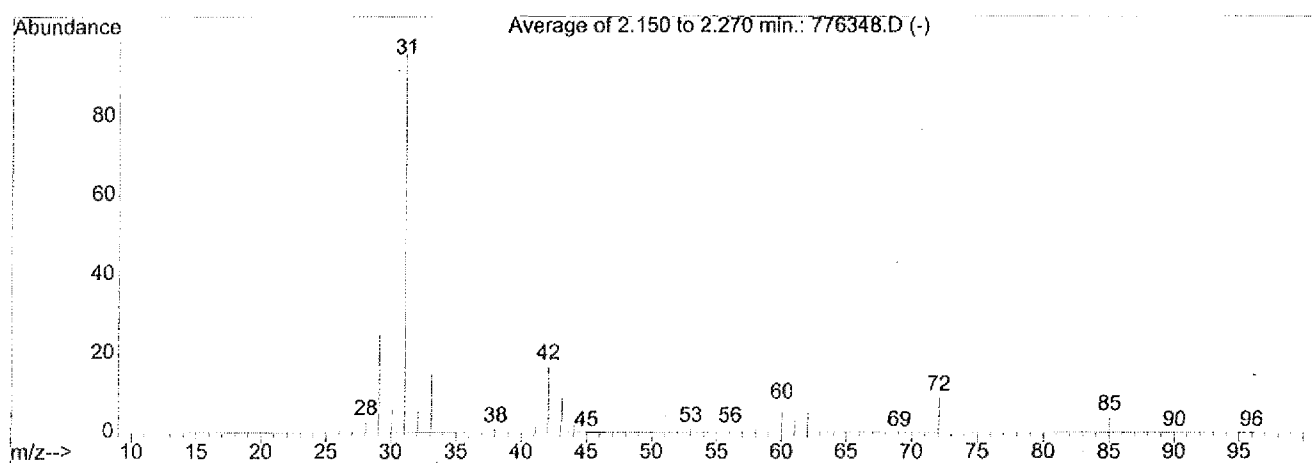
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
2	2.18	C:\DATABASE\NIST98.L		
		2-Propanone, 1,3-dihydroxy-	000096-26-4	72
		Acetaldehyde, hydroxy-	000141-46-8	42
		1,5-Pentanediol	000111-29-5	36



# Area Percent / Library Search Report

**Information from Data File:**

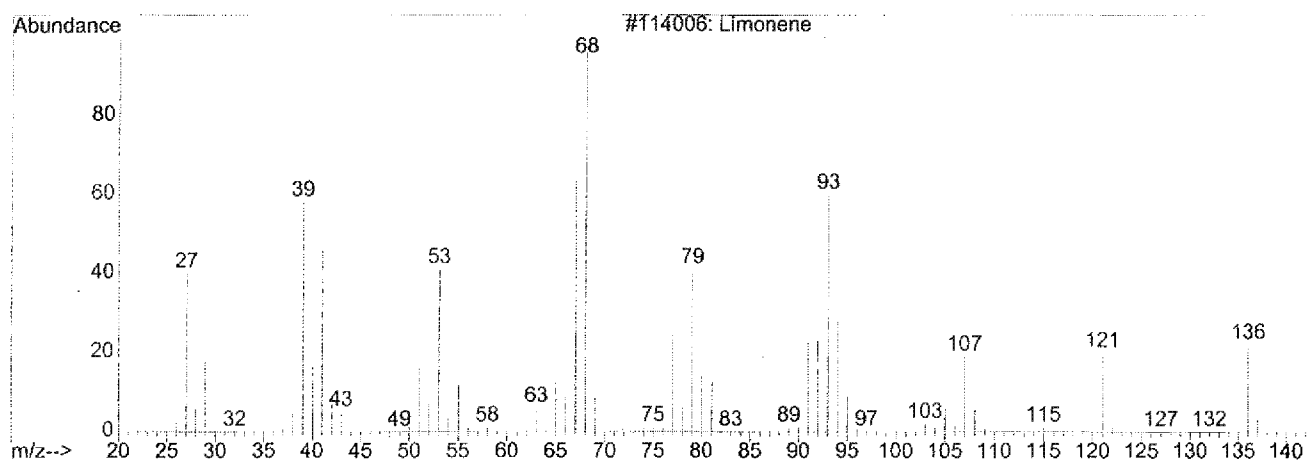
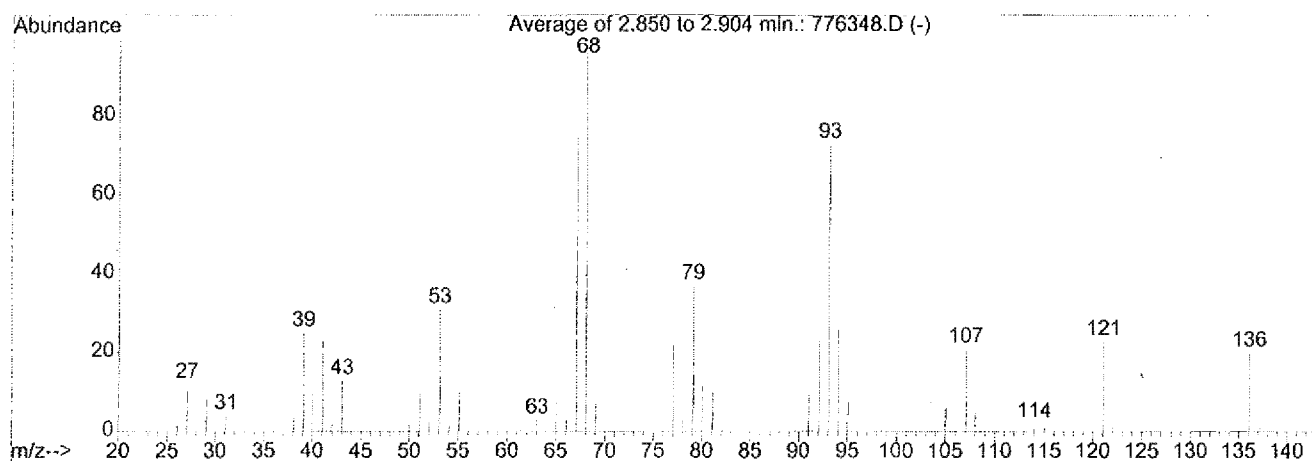
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : 
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
3	2.87	C:\DATABASE\NIST98.L		
		Limonene	000138-86-3	91
		Cyclohexene, 1-methyl-4-(1-methylet	005989-54-8	86
		D-Limonene	005989-27-5	81



# Area Percent / Library Search Report

**Information from Data File:**

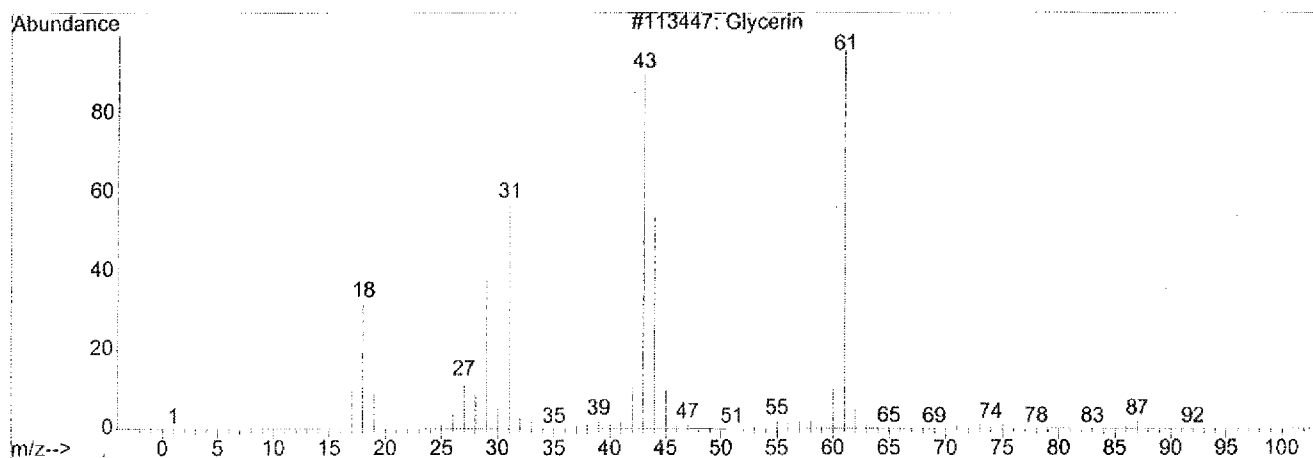
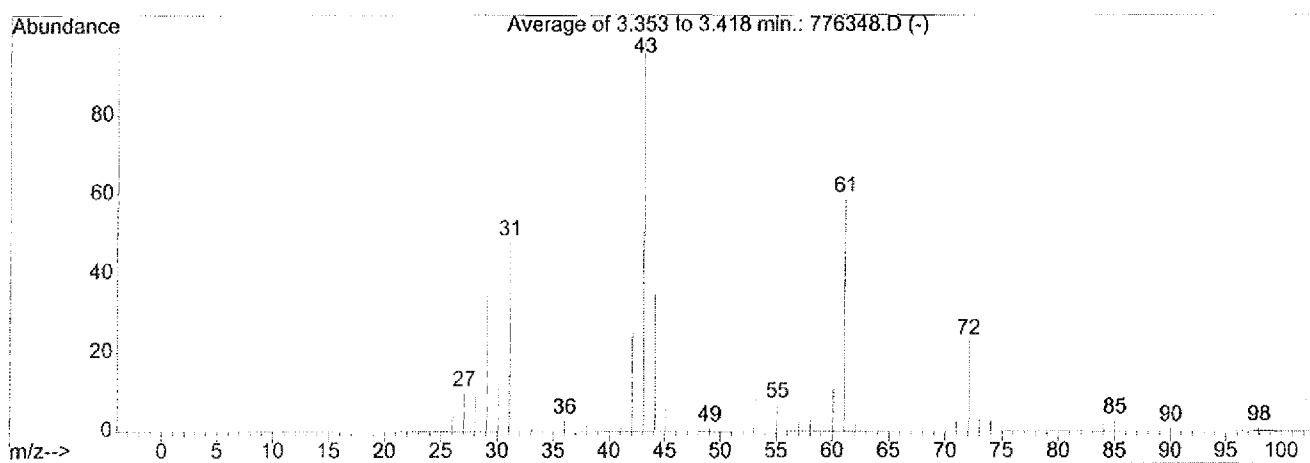
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
4	3.38	C:\DATABASE\NIST98.L		
		Glycerin	000056-81-5	40
		1,3-Butanediol	000107-88-0	25
		3-Methoxy-2,2-dimethyloxirane	026196-04-3	12



# Area Percent / Library Search Report

**Information from Data File:**

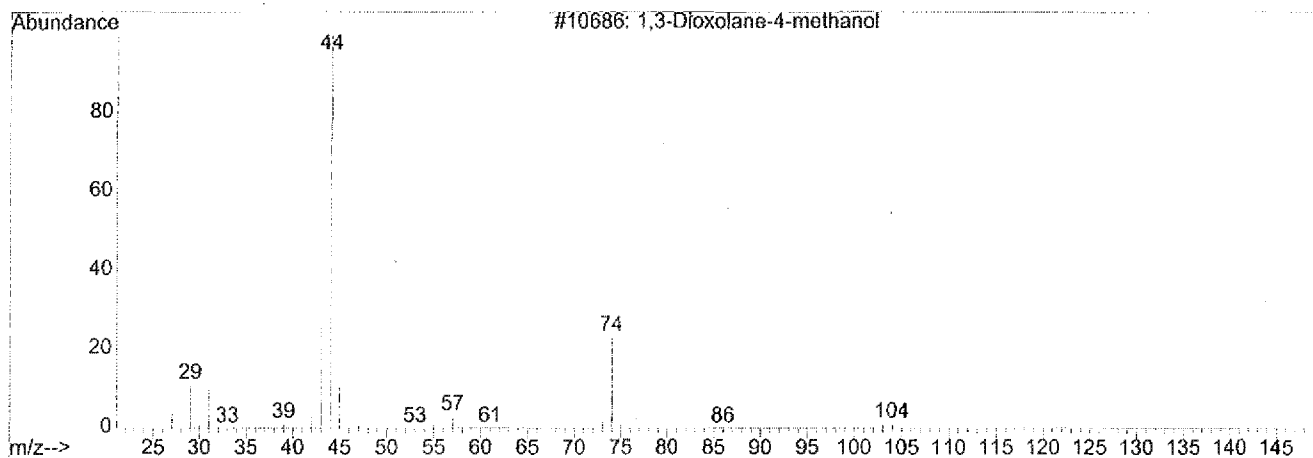
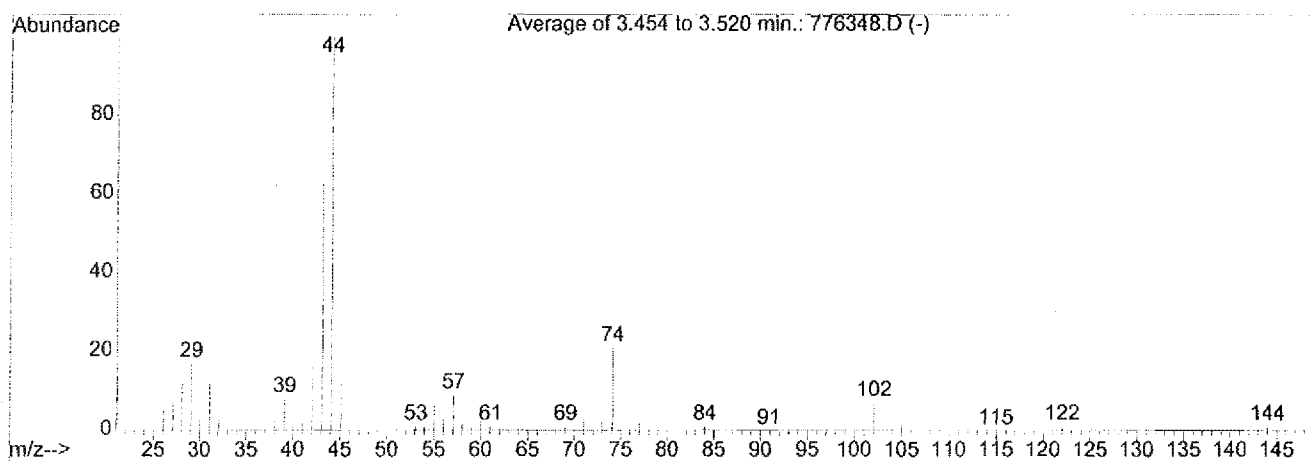
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : 
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
5	3.48	C:\DATABASE\NIST98.L		
		1,3-Dioxolane-4-methanol	005464-28-8	56
		2(3H)-Furanone, dihydro-4-hydroxy-	005469-16-9	53
		Acetic acid, [(aminocarbonyl)amino]	000585-05-7	53



# Area Percent / Library Search Report

**Information from Data File:**

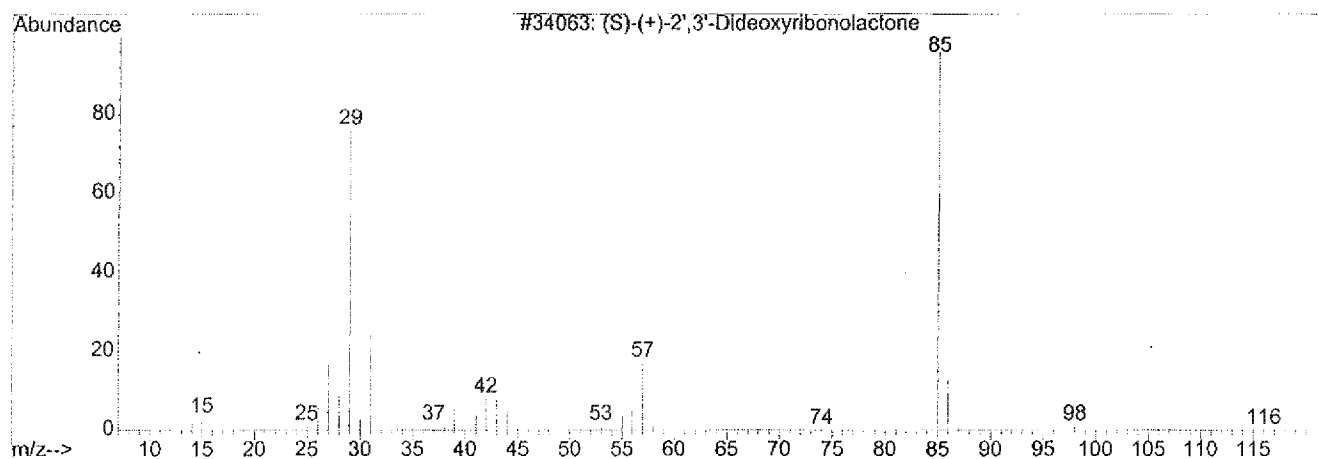
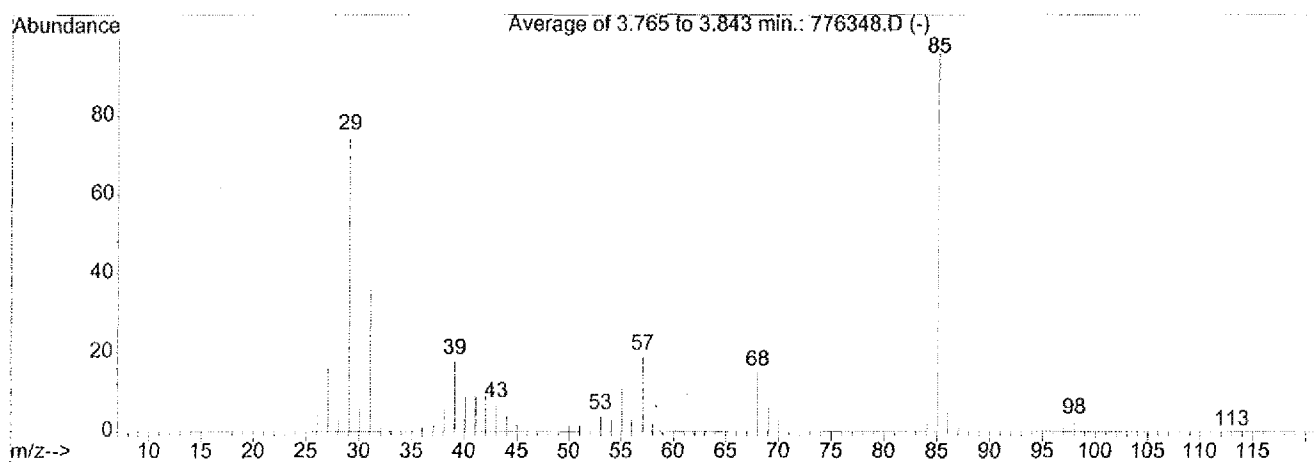
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
6	3.78	C:\DATABASE\NIST98.L		
		(S) - (+) - 2',3'-Dideoxyribonolactone	032780-06-6	40
		1-Bromo-7-(tetrahydro-2-pyranyloxy)	010160-25-5	39
		Thiazole	000288-47-1	39



# Area Percent / Library Search Report

**Information from Data File:**

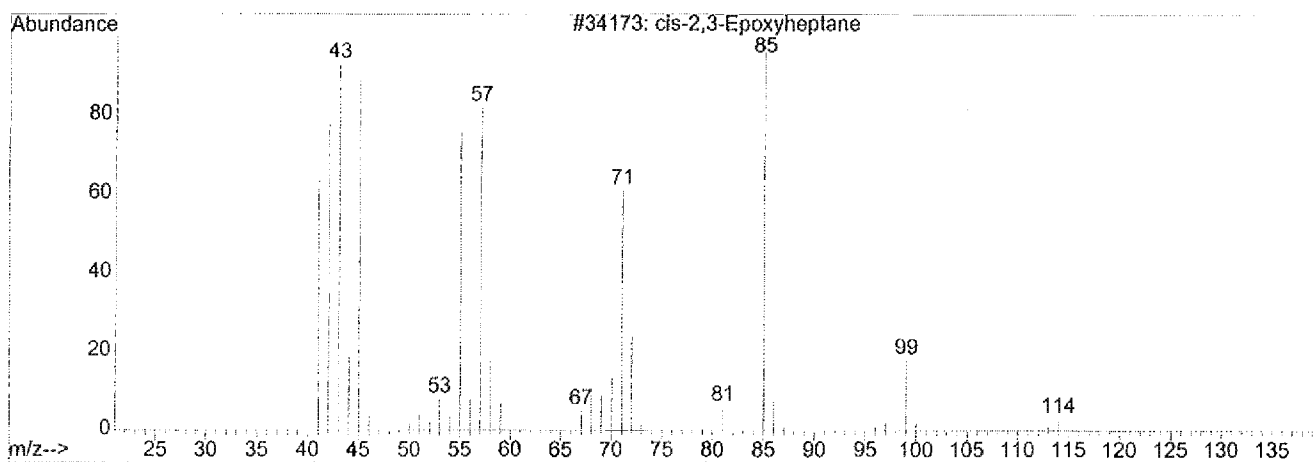
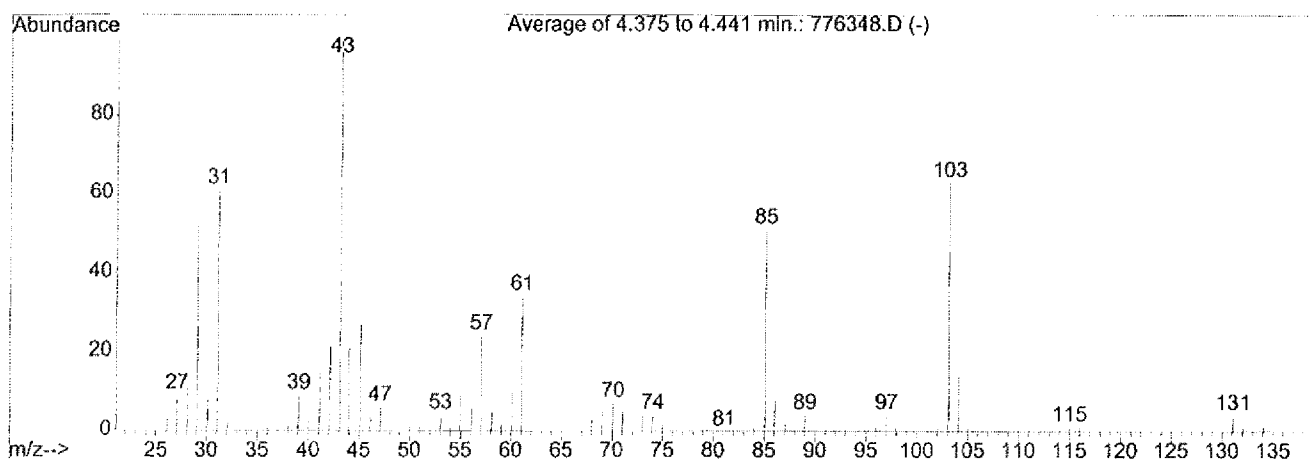
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
7	4.41	C:\DATABASE\NIST98.L		
		cis-2,3-Epoxyheptane	014925-96-3	22
		d-Glycero-d-ido-heptose	1000130-14-3	16
		Hydrazinecarboxylic acid, ethyl est	004114-31-2	16



# Area Percent / Library Search Report

**Information from Data File:**

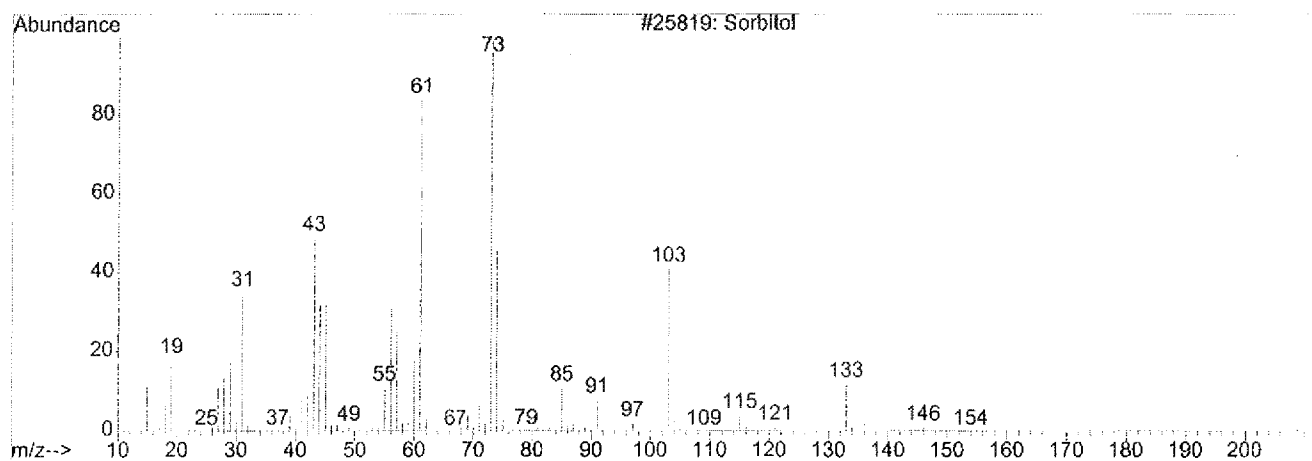
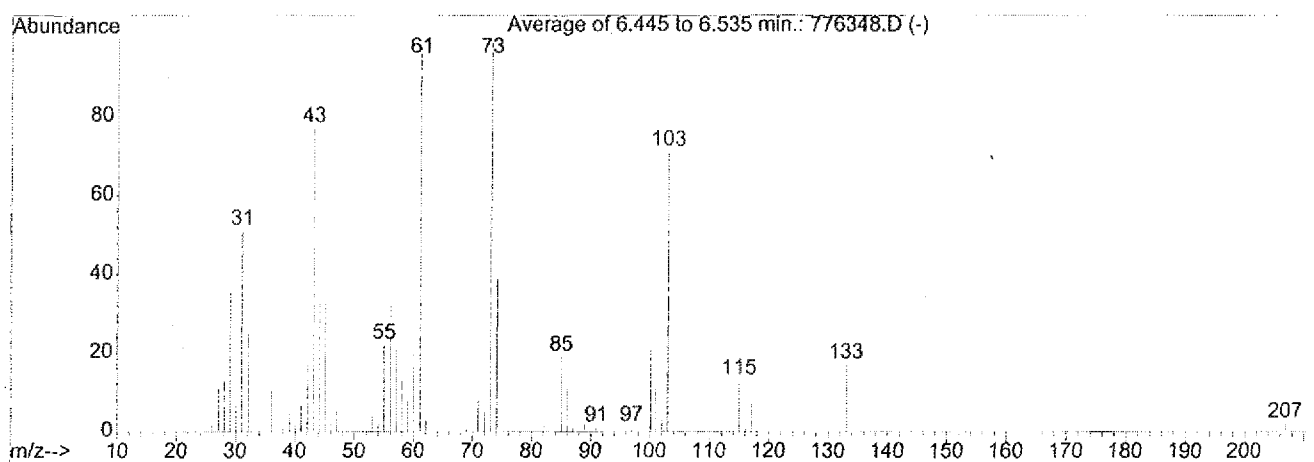
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
8	6.52	C:\DATABASE\NIST98.L		
		Sorbitol	000050-70-4	53
		Mannitol	000069-65-8	52
		2(R),3(S)-1,2,3,4-Butanetetrol	000149-32-6	50





# Area Percent / Library Search Report

**Information from Data File:**

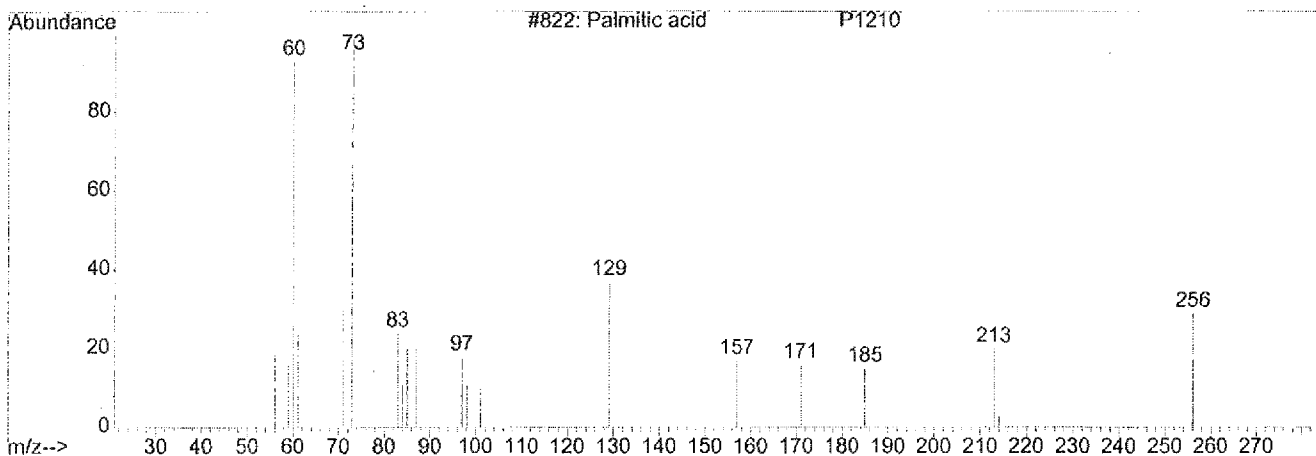
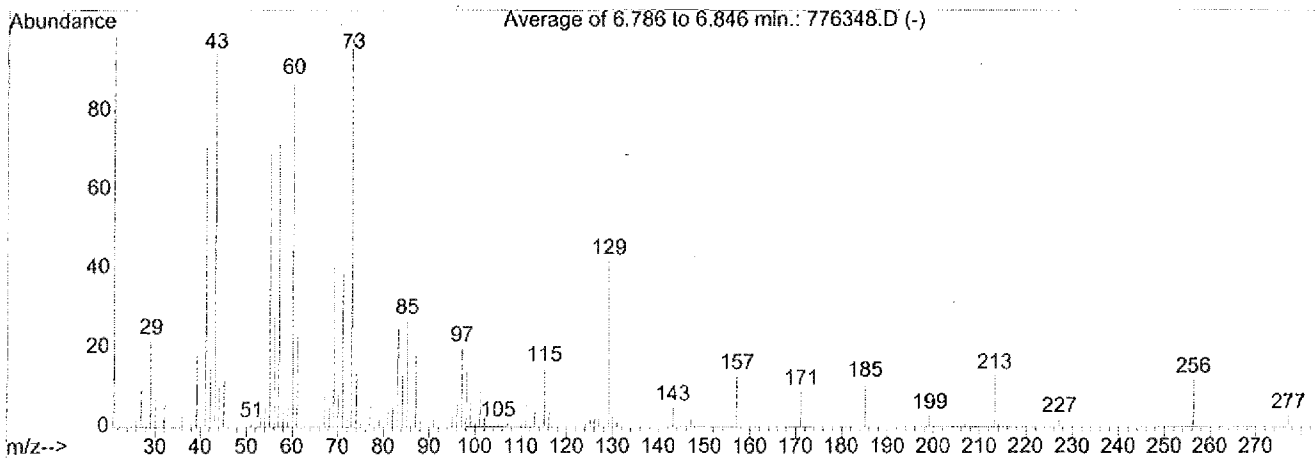
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
9	6.80	C:\DATABASE\PMW_TOX2.L		
		Palmitic acid	000057-10-3	95
		Myristic acid	000544-63-8	72
		Tridecane	000629-50-5	10



# Area Percent / Library Search Report

**Information from Data File:**

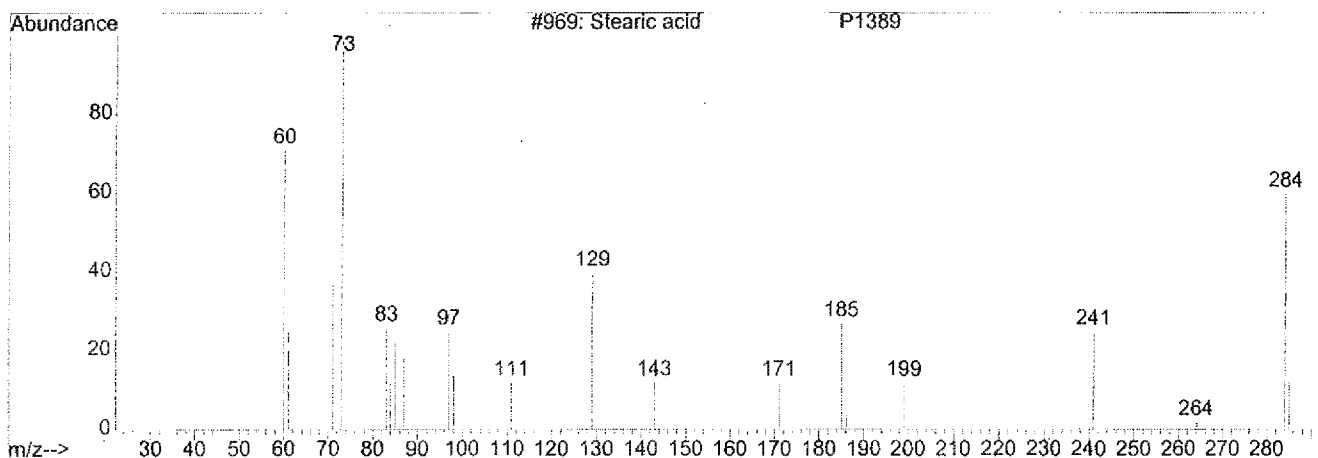
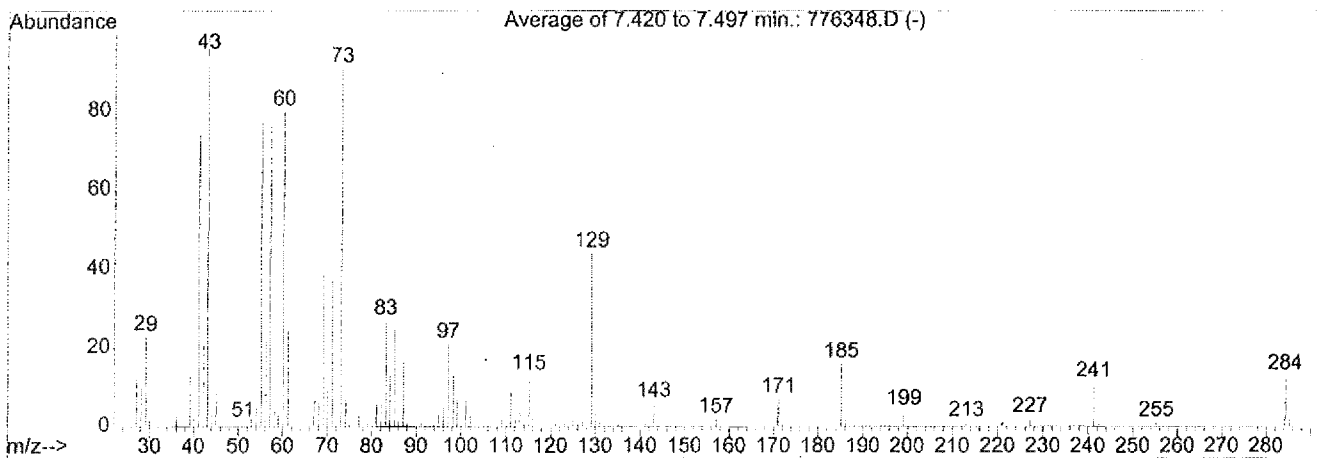
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : 
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
10	7.44	C:\DATABASE\PMW_TOX2.L		
		Stearic acid	000057-11-4	93
		Myristic acid	000544-63-8	72
		Diethylene glycol dipivalate	000000-00-0	9



# Area Percent / Library Search Report

**Information from Data File:**

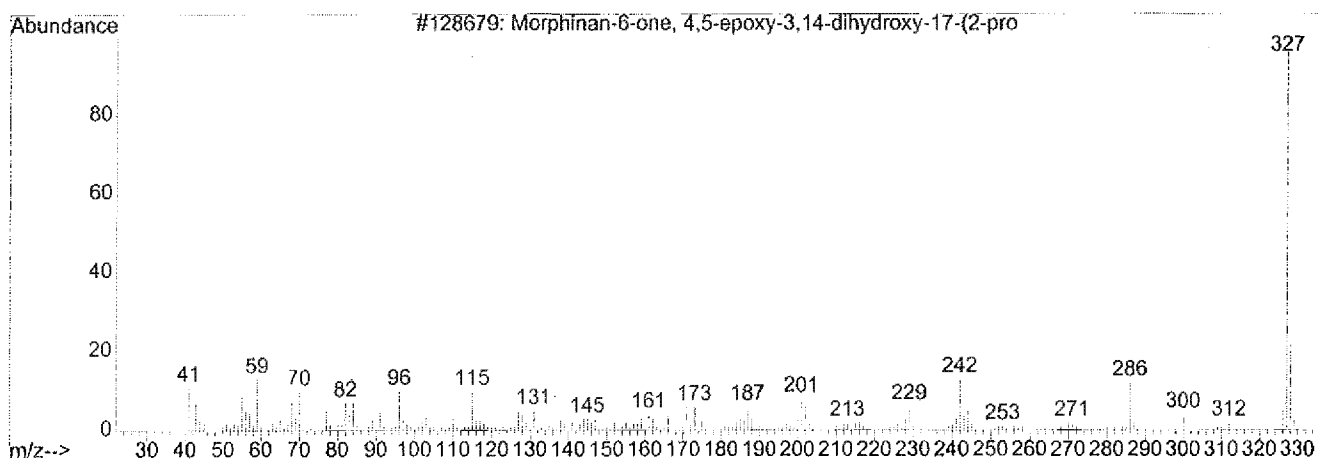
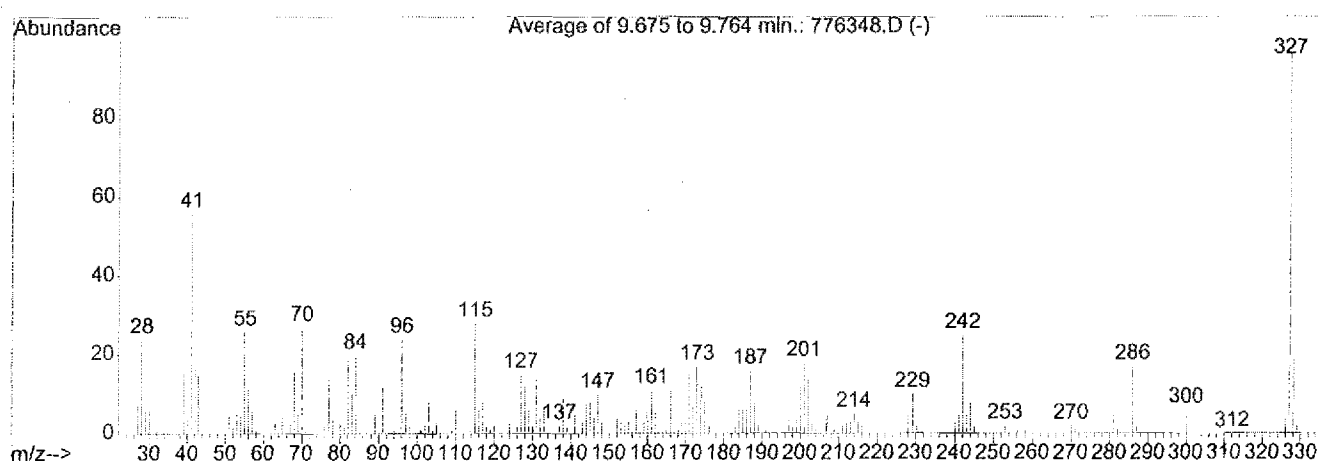
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
11	9.71	C:\DATABASE\NIST98.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	86
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	70
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	50



# Area Percent / Library Search Report

**Information from Data File:**

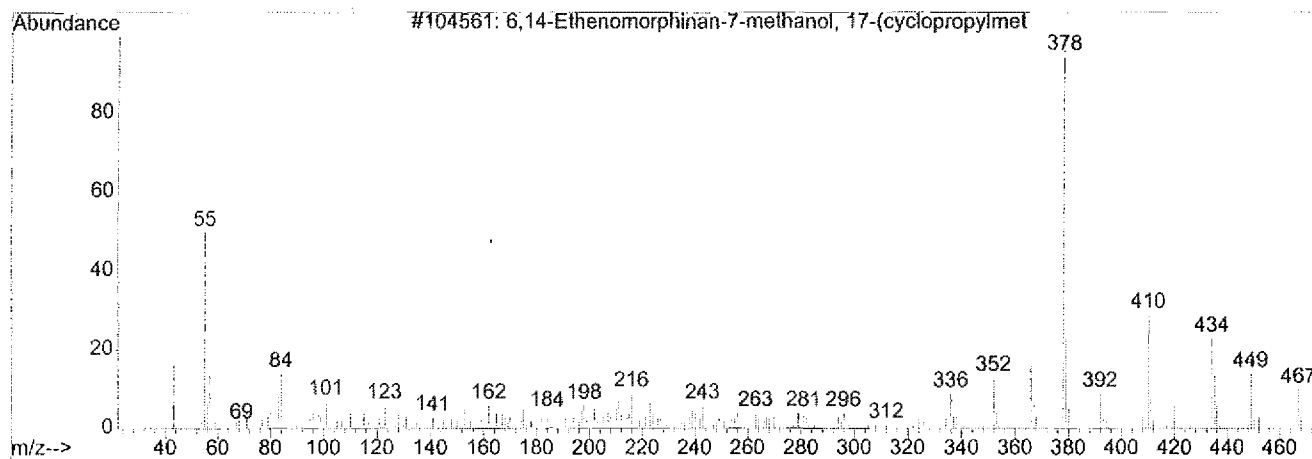
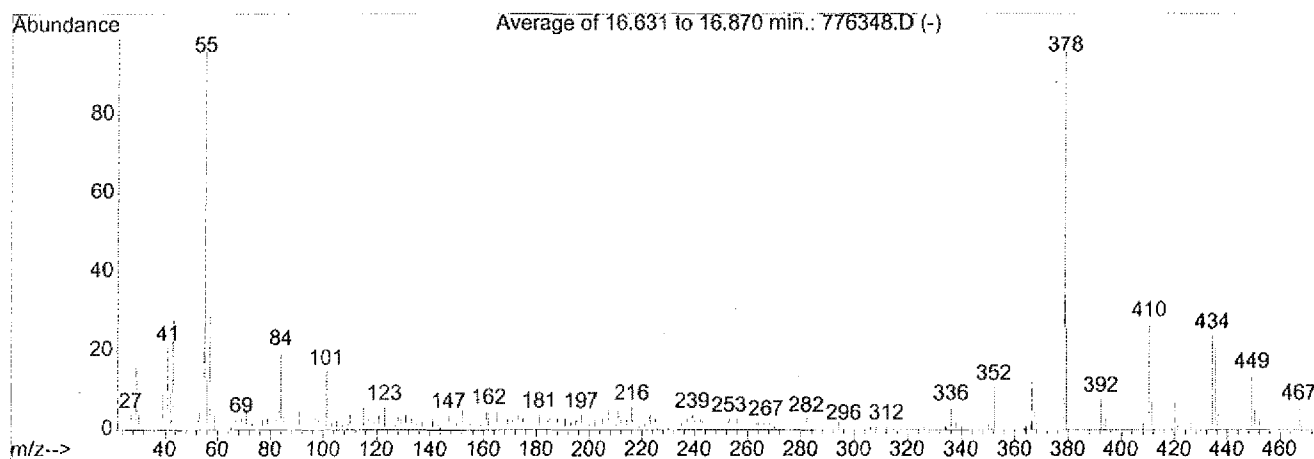
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776348.D
Operator        : DJR
Date Acquired   : 11 Mar 2011  21:26
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 48
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
12	16.75	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	91
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	80
		Anthracene, 9,10-bis(phenylethynyl)	010075-85-1	43



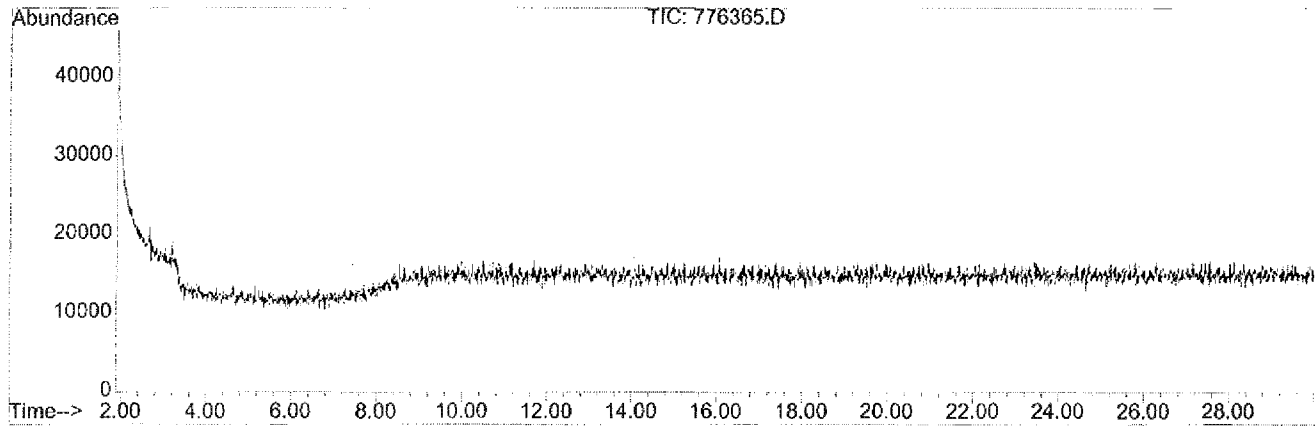
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776365.D  
Operator : DJR  
Date Acquired : 12 Mar 2011 7:09  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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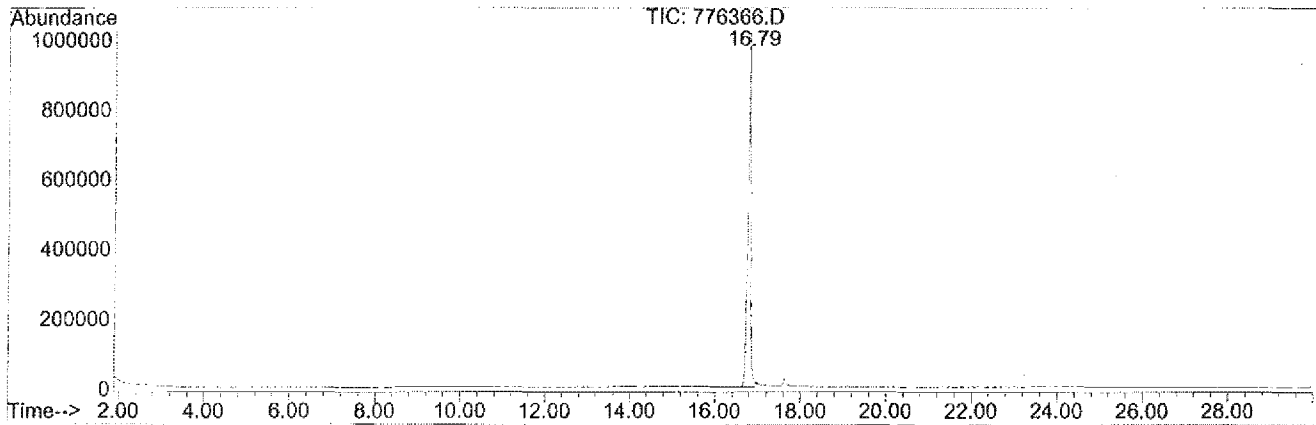
---

\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776366.D  
Operator : DJR  
Date Acquired : 12 Mar 2011 7:44  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 45  
AcquisitionMeth: WSCREEN  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
16.795	4834708	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

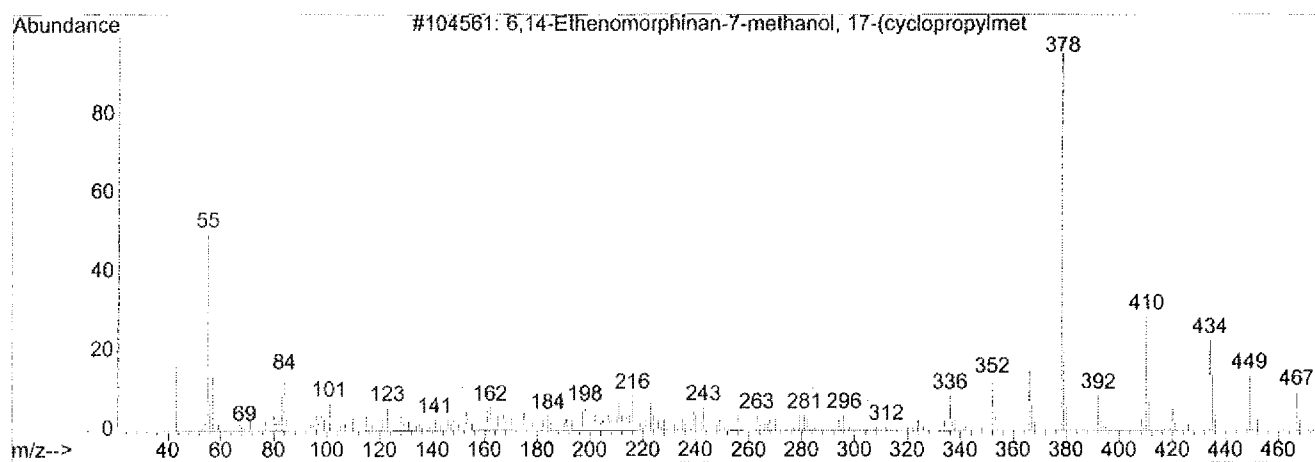
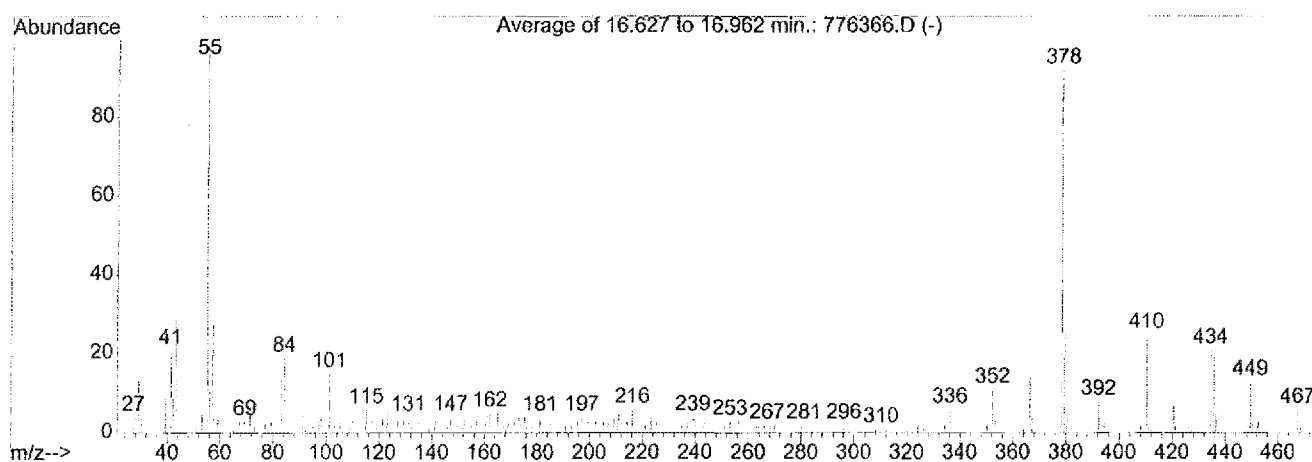
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776366.D
Operator        : DJR
Date Acquired   : 12 Mar 2011   7:44
Sample Name     : BUPRENORPHINE STD
Submitted by    :
Vial Number     : 45
AcquisitionMeth : WSCREEN
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI             Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	16.79	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	83
		Anthiaergosta-5,7,9,22-tetraene	1000213-42-2	50



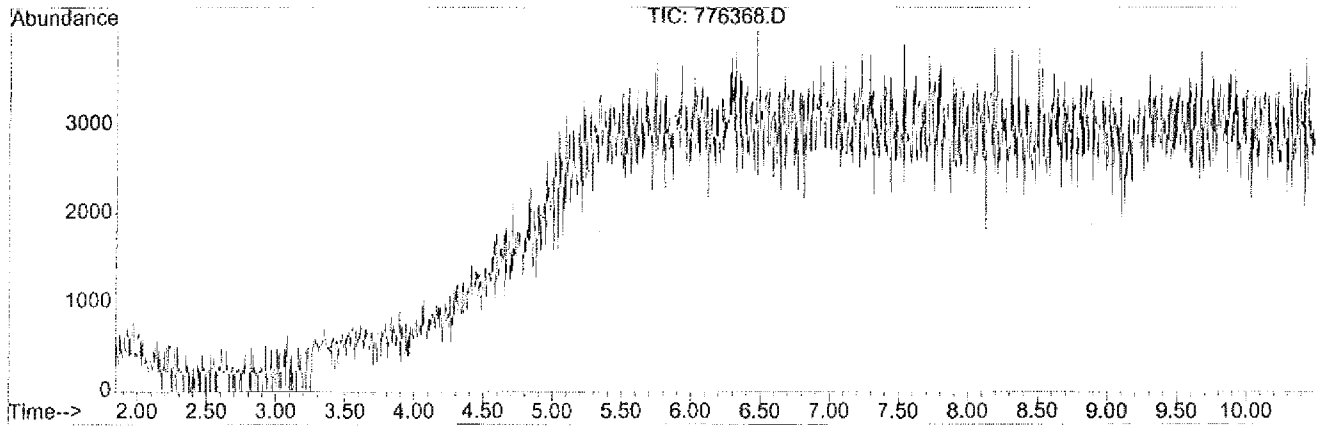
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776368.D  
Operator : DJR  
Date Acquired : 12 Mar 2011 8:54  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: CLONAZ  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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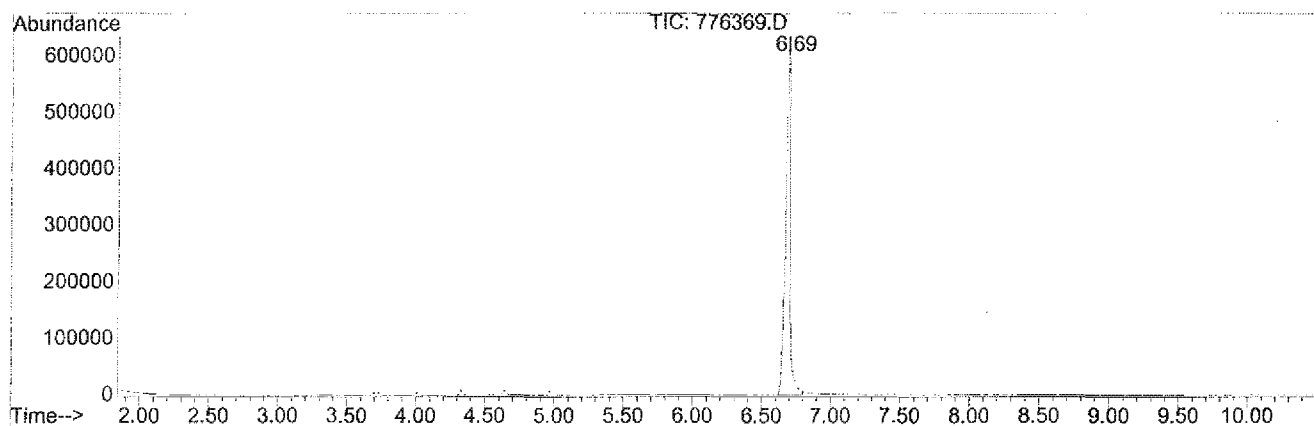
\*\*\*NO INTEGRATED PEAKS\*\*\*



# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776369.D  
 Operator : DJR  
 Date Acquired : 12 Mar 2011 9:08  
 Sample Name : CLONAZEPAM STD  
 Submitted by :  
 Vial Number : 69  
 AcquisitionMeth: CLONAZ  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.692	1443594	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

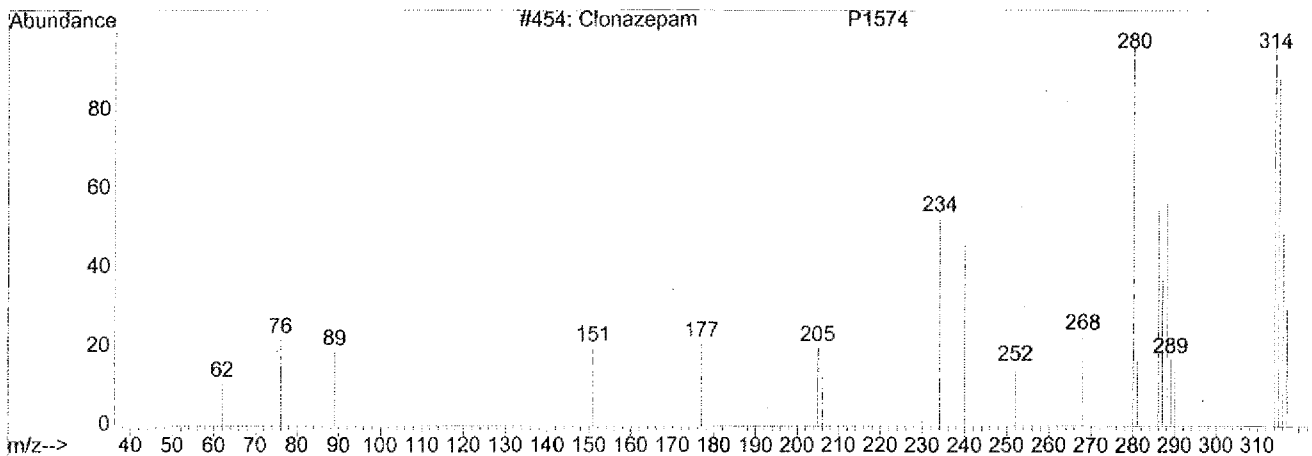
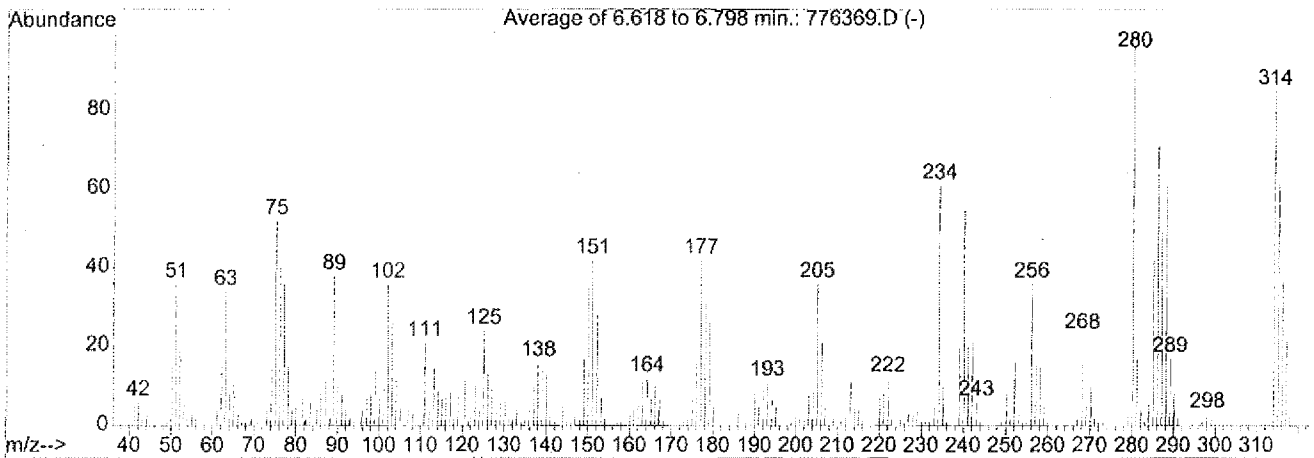
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776369.D
Operator        : DJR
Date Acquired   : 12 Mar 2011   9:08
Sample Name     : CLONAZEPAM STD
Submitted by    :
Vial Number     : 69
AcquisitionMeth : CLONAZ
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 95
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Clonazepam	001622-61-3	99
		Clorazepate-M/artifact AC	000000-00-0	9
		Estradiol 2AC	003434-88-6	1



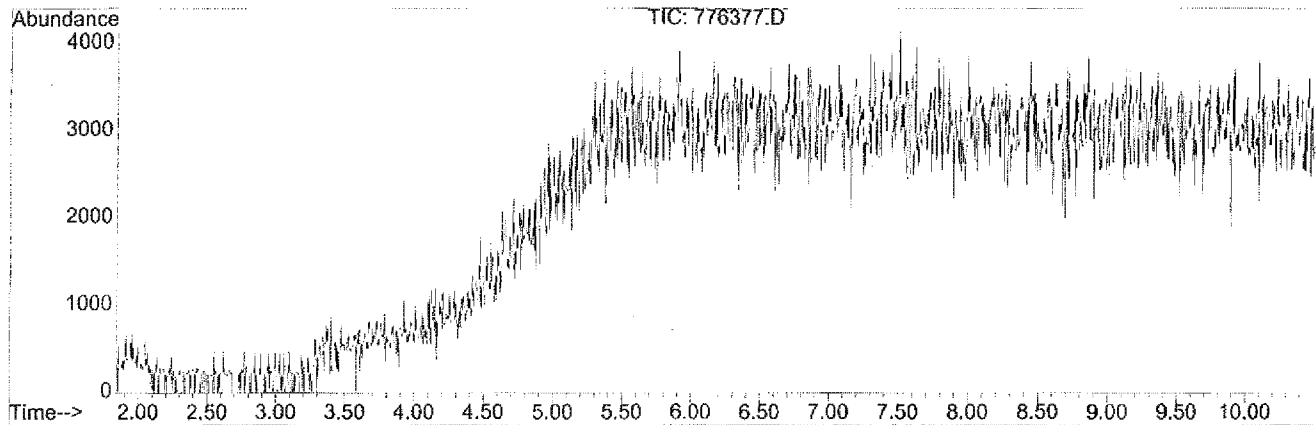
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776377.D  
Operator : DJR  
Date Acquired : 12 Mar 2011 11:00  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: CLONAZ  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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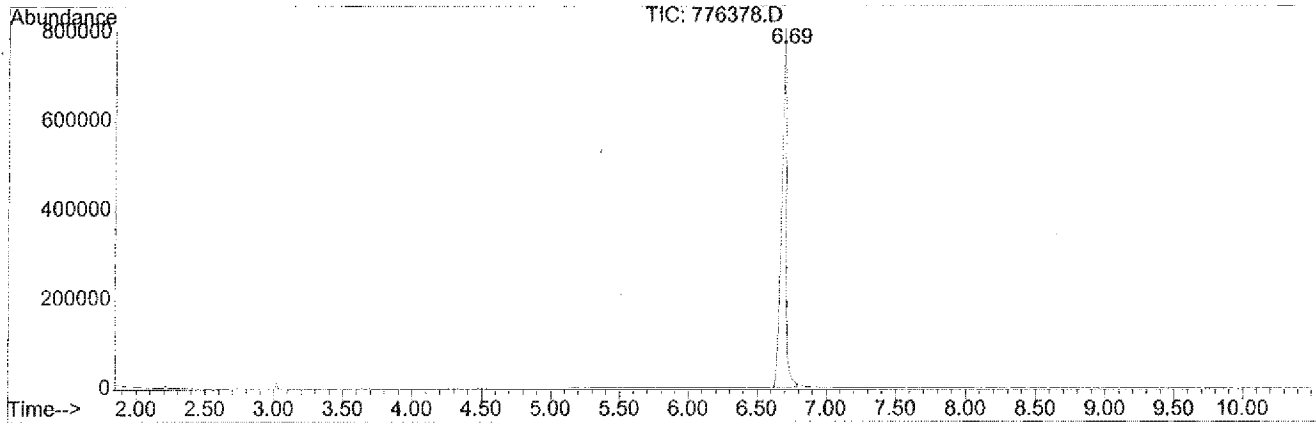
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776378.D  
 Operator : DJR  
 Date Acquired : 12 Mar 2011 11:14  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 78  
 AcquisitionMeth: CLONAZ  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.693	1892882	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

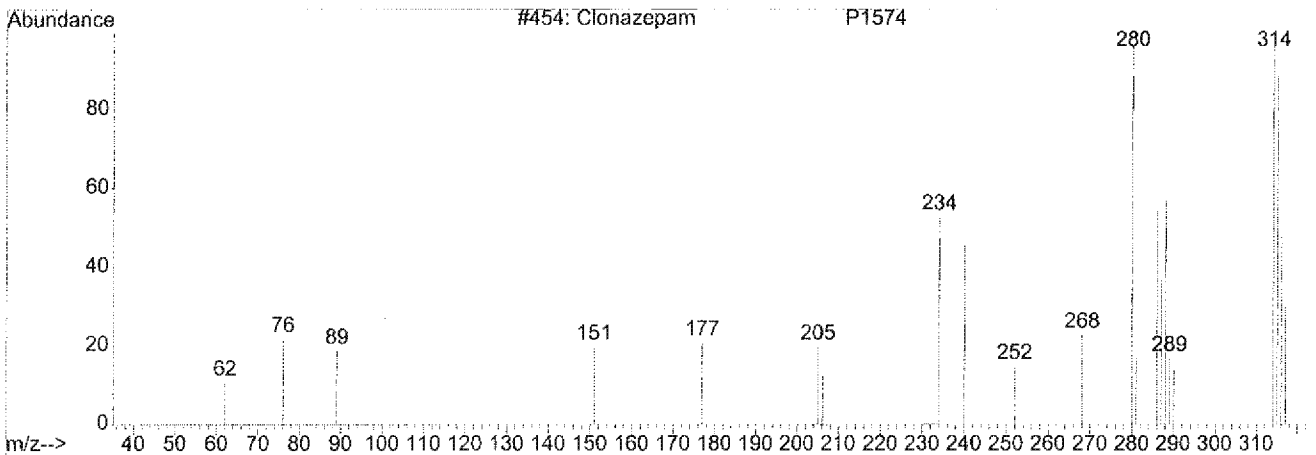
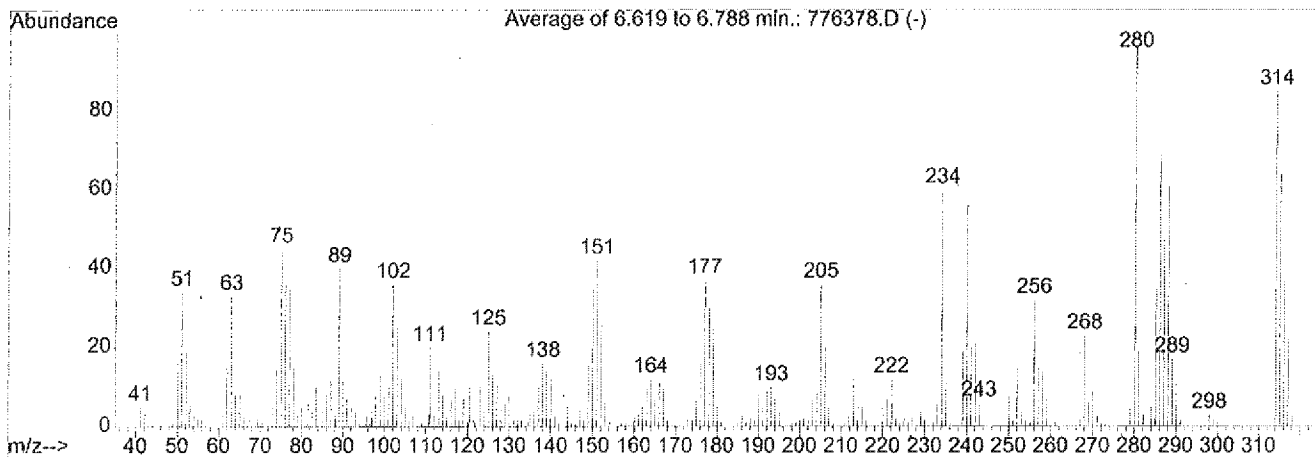
```

File Name       : F:\Q1-2011\SYSTEM4\03_11_11\776378.D
Operator        : DJR
Date Acquired   : 12 Mar 2011  11:14
Sample Name     : 
Submitted by    : ASD
Vial Number     : 78
AcquisitionMeth : CLONAZ
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 95
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Clonazepam	001622-61-3	99
		Clorazepate-M/artifact AC	000000-00-0	6
		Estradiol 2AC	003434-88-6	1



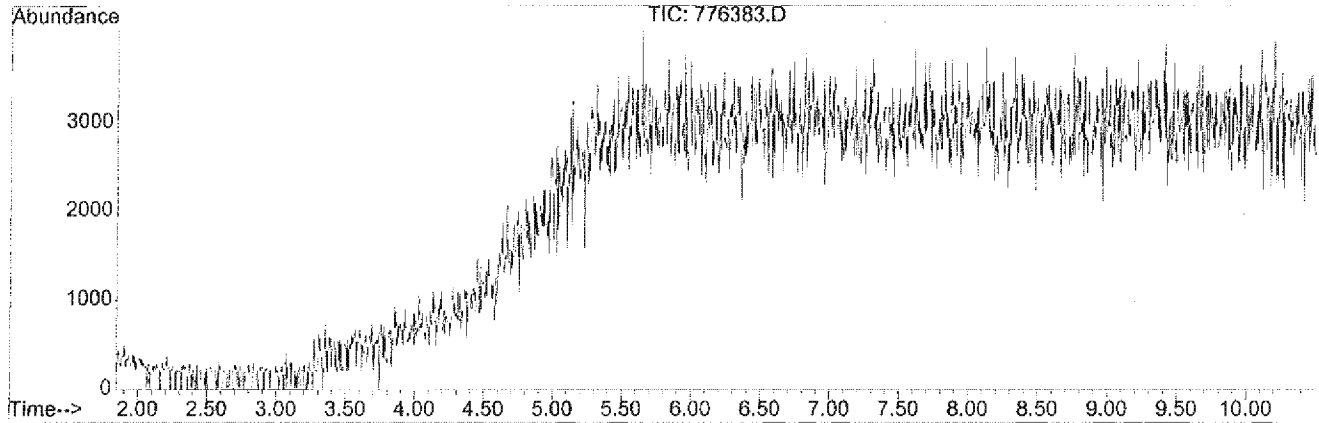
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776383.D  
Operator : DJR  
Date Acquired : 12 Mar 2011 12:24  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: CLONAZ  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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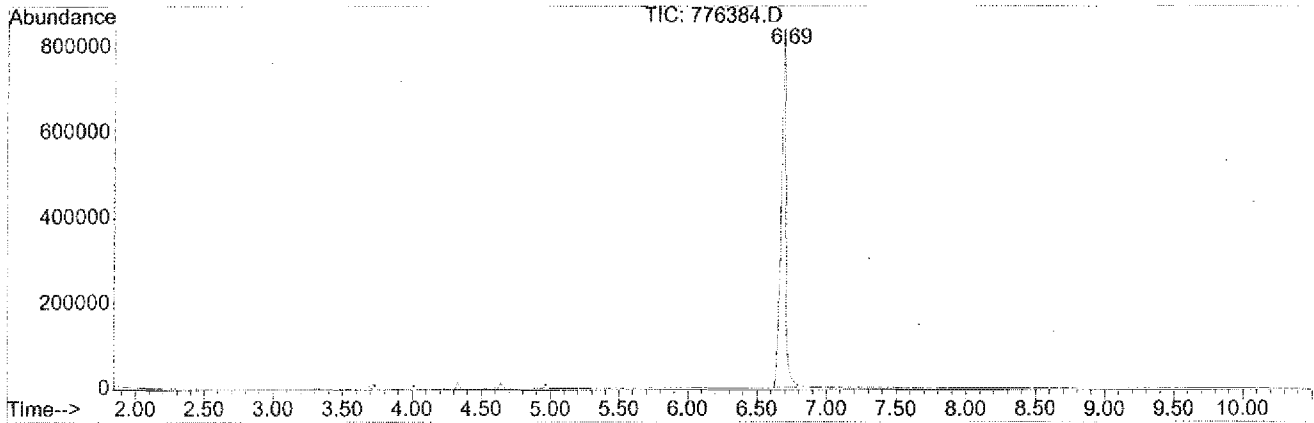
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776384.D  
 Operator : DJR  
 Date Acquired : 12 Mar 2011 12:38  
 Sample Name : CLONAZEPAM STD  
 Submitted by :  
 Vial Number : 69  
 AcquisitionMeth: CLONAZ  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.693	1990146	100.00	100.00

# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2011\SYSTEM4\03\_11\_11\776384.D  
 Operator : DJR  
 Date Acquired : 12 Mar 2011 12:38  
 Sample Name : CLONAZEPAM STD  
 Submitted by :  
 Vial Number : 69  
 AcquisitionMeth: CLONAZ  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
 C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Clonazepam	001622-61-3	99
		Clorazepate-M/artifact AC	000000-00-0	6
		Estradiol 2AC	003434-88-6	1

